No. IP SEP 8 1995

Date

A,

We walk Kat. back to Hotel.

Dt
MTC

Andrew & I, exhilarated, to Lab.

DEMOS
IMPROVED
ZIP EDITOR
(be Hashed
to lookup somehow) —

PERFORMANCE
ACCEPTABLE!!!

IP

IP No.

A4 Date JUL 15 1995

A1 MTG Co

OPEN HOUSE:

Project I will have 4 speakers.

Project II: Asai and Hidaka will not speak.
Okubo will speak 15 min.,
& half an hour.

No

Date

AP A4 JUL 4 1995

A1

7.

Vizn of Money…

Spokess, —— 1970s Is —

Stan Cohen,
founder/presid

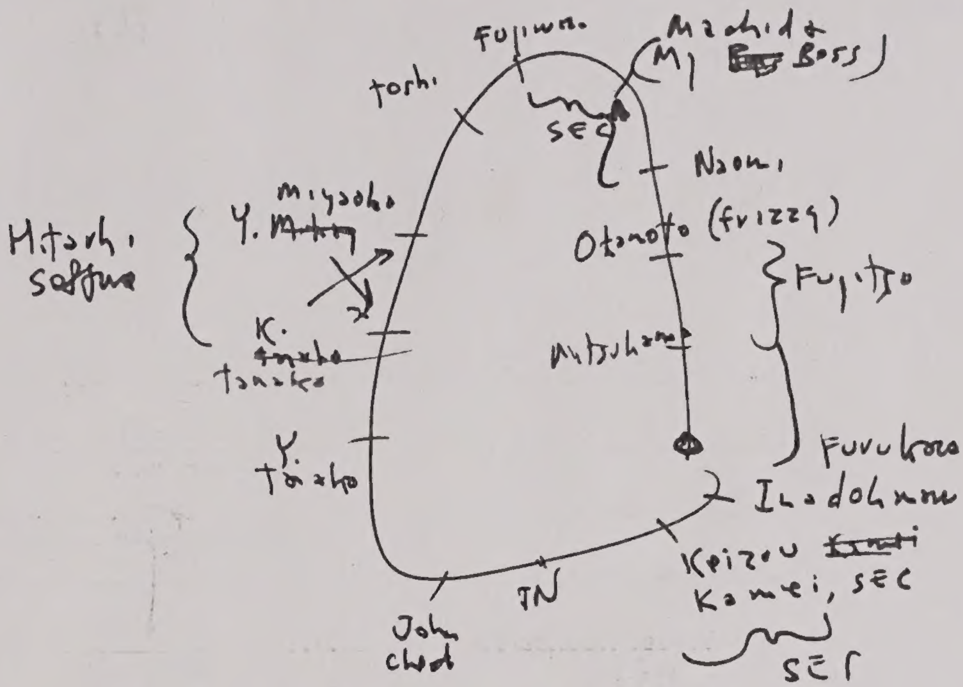
Birdy for Body of Stuffing

IP A1

APR 2 5 1995

MTG

IPC Exec. Com.?



Toshi announces agenda...

P APR 2 5 1995
AL

Budget ..

Ag

APR 26 1995

MTG
John Choust,
K. Tanaka

Tanaka gets Hitachi I. pad work.

SELECT PAD: click anywhere.

DUPLICATE: cut, paste.

SELECT ONE PART: command, click.

CONNECTION SHEET (only one at a time).

Select a pad
pull down ~~#~~ CONNECTION INFORMATION.
CAN DISCONNECT, RECONNECT ON BLUE ARROW
For detail: DETAIL from the menu.
CAN DISCONNECT, RECONNECT

HORIZONTAL CONNECTION
LATERAL WIRING BETWEEN SHARED COPIES.

|P Δ4

APR 2 6 1995

Optn: Browser.

Shows Hierarchy.

ONLY THE CLOCK WORKS AS A demo!
the rest is all primitive Pads.

"Image" pad takes an Image, puts it on pad.

★ Could take a scan —

It crashes when he drags
~~It drag to get it~~
to paste in my big Tiff.

IP A5 APR 2 6 1995

FOLDER works w/ DICTIONARY.
≡ DATABASE cont'g RECORDS (Dictionaries)

FORMBASE pad MANAGES THE DATABASE.

IpPADCOMMANDPAD
Primitive Pad manipulation. Does what you want to a pad.
NAME THE PAD (String)
and WHAT TO DO TO IT ~~(String)~~.
(certain base operations).

DpPictureFolderPad
Picture database.

RANGE
Truncates the range of a number.

RESIZEPAD
Takes no slots; RESIZES THE PAD PLACED ON IT!

SIMPLEPAD
Null pad, does nothing.
BUT CAN BE OPERATED ON.

IpSlotCreatorPad
CREATES SLOTS, DELETES THEM.
(Some args not understood.)

((RGNT (9)

A6 APR 2 6 1995

IpSlotNamePad
DeleteName
MenuSwitch (??)

IpSwitchPad
several status slots (INPUTS)
Outputs STRINGS, NUMBERS OR PICTURES.

TEXTPAD (doesn't work).

IpTilingPad (SNAP GRID)

IpTimerPad
SOURCE OF TICK.
Settable (≥1 sec; dunno how and [illegible]) BY PUTTING DIGITAL PAD ON IT.
PASTES ON TOP
as SOURCE OF PULSE.

IpTogglePad (CLICK ON IT, IT GOES IN & OUT)
~~(CLICK LAMP~~
STATUS OUTPUT
LABEL (string output)
picturename (picture for button)
display [eh ?]

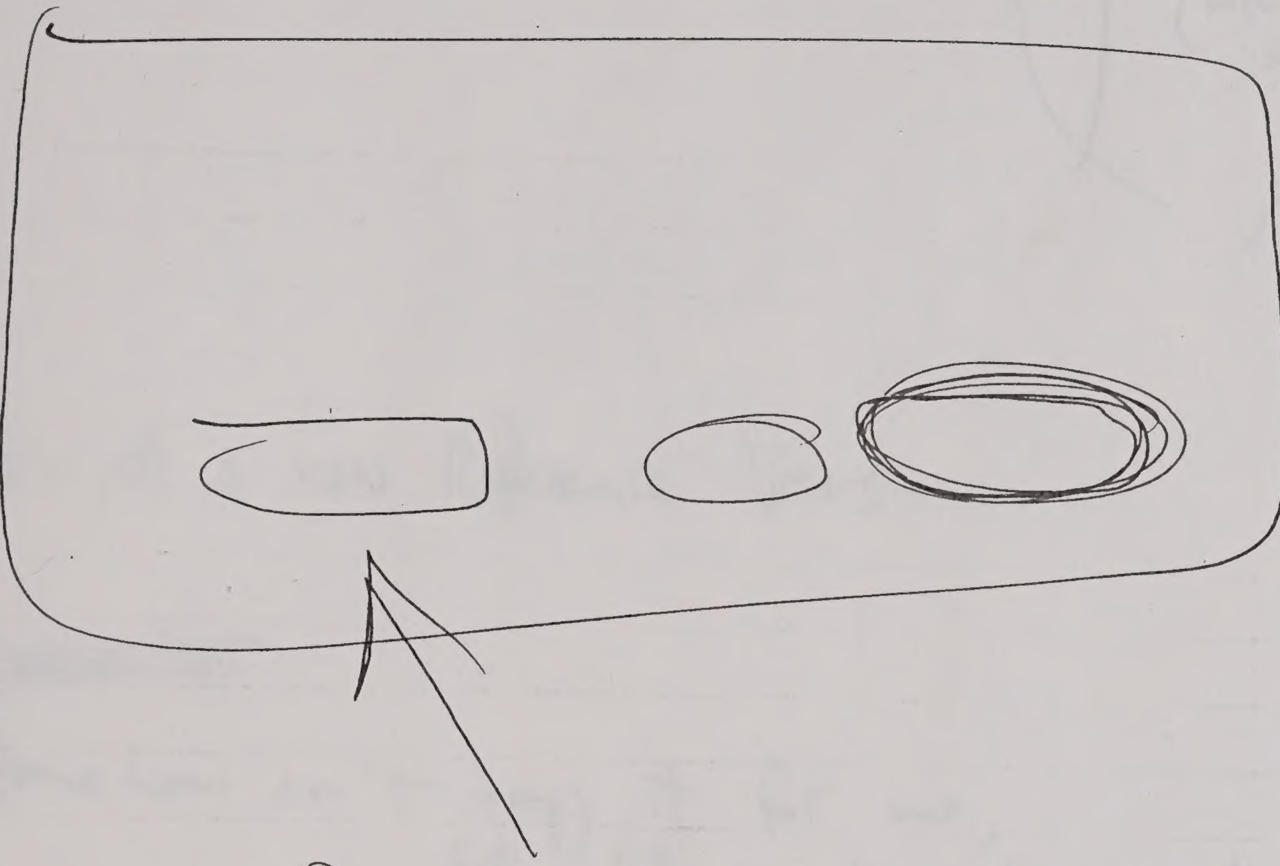
IpTrashBoxPad
~~IpWastebasket~~
is actually a HIDING PLACE.

18 A7 APR 26 1995

IpHSliderPad } Horizontal & Vertical.
IpVSliderPad }

IpVtextPad
Vertical Text (mainly Japanese; English works)

IP A8 APR 2 6 1995



DON'T SAVE.

IP
B,

APR 2 7 1995

MTG Kawamura
(w/o was ~~[illegible]~~
at lab
all day)
/w. 30

He's got a new Reference Version.

~~Doesn't~~

Somehow can't copy it for me,
but tells me how to use it —

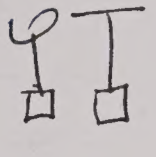
/home3/ipc/distrib/EvaSys 0.95.run.SUN,

< /bin/IP. ↩

APR 2 7 1995

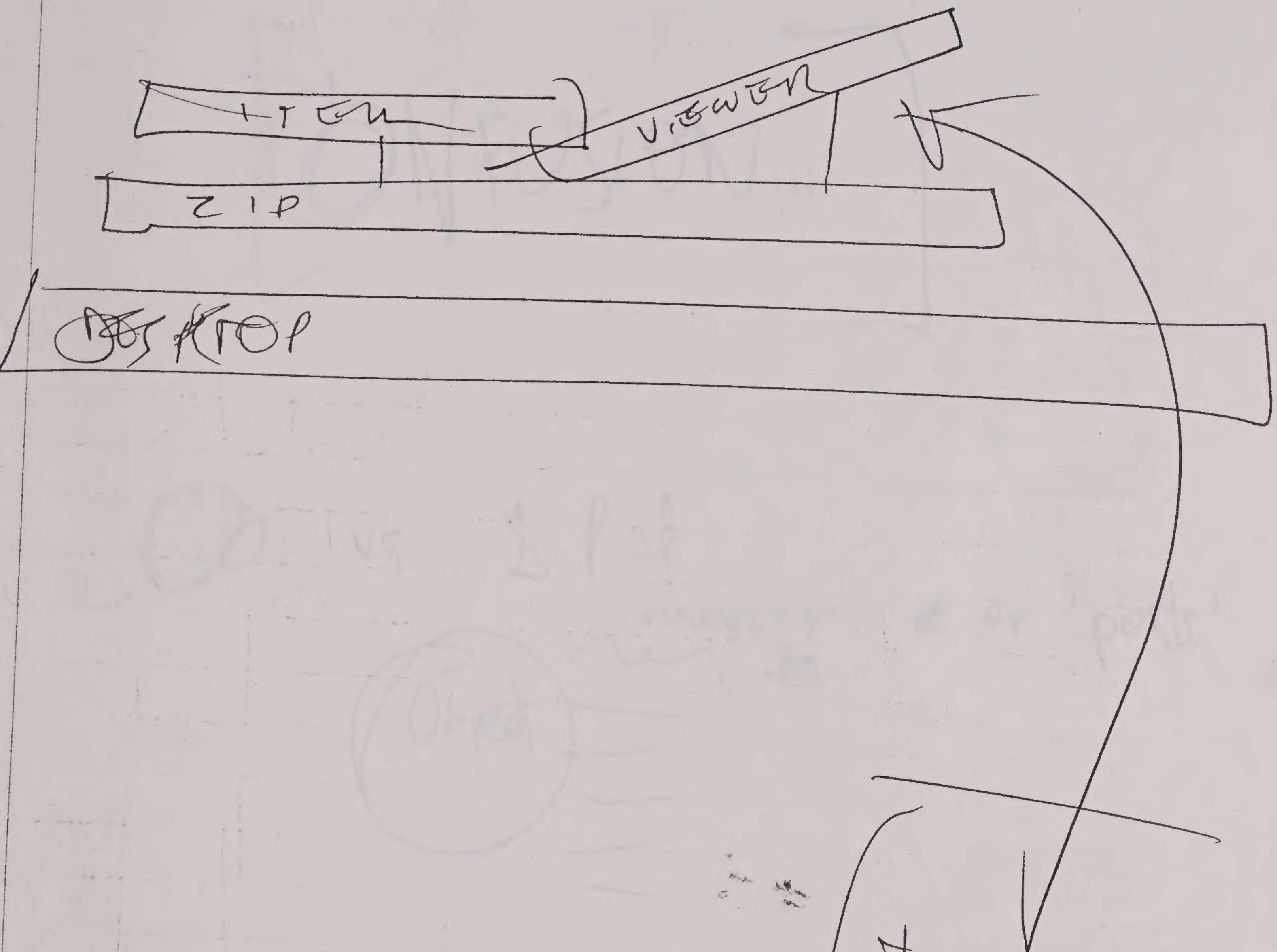
~~SP~~ 1P APR 29 1995
C1

MJG-

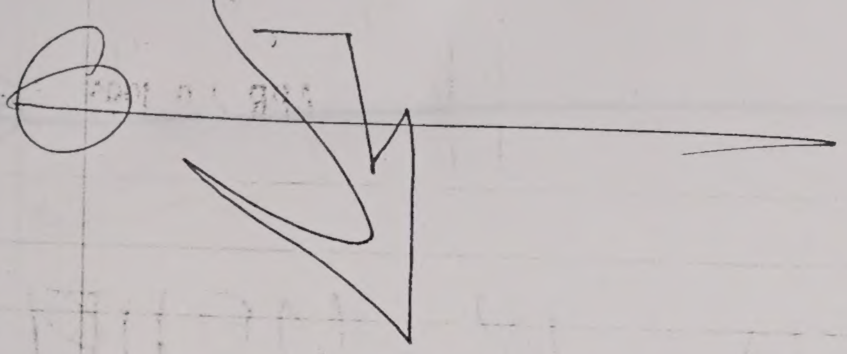


SP Interface for Tatb. Goshigo.

~~8P~~, 1P D1 APR 2 9 1995



turns out "brokers can overlap."!

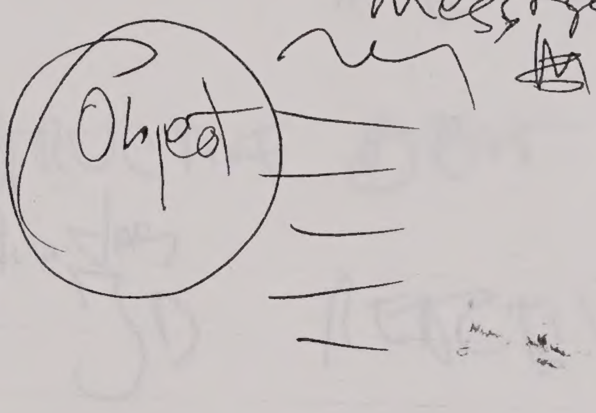


HP D2

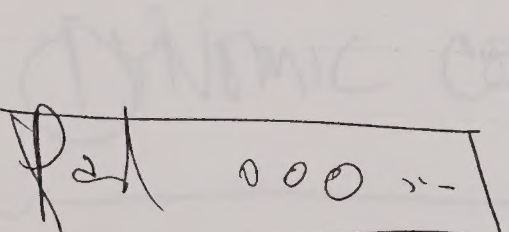
APR 29 1995

CONFUSION...

OO vs S.P.H



messages or 'ports'



SLOTS

(~~must be rep~~ PAD OR MODIFIER MUST BE REPROGRAMMED TO ALTER.)

A1

APR 15 1995

MTG

Mr. Okada
of Tanaka Lab
presents

INTELLIGENT BOX.

Everything is a BOX.

CONSTRUCTIVE AGENT

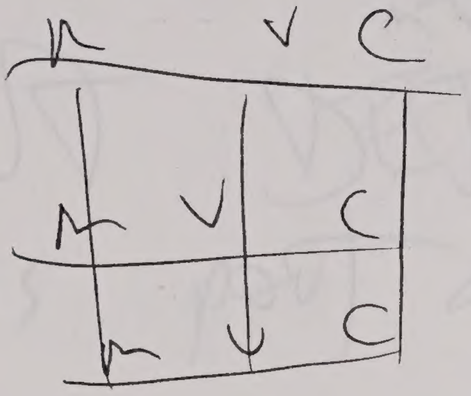
Primitives

3D REACTIVE OBJs

DYNAMIC CONSTRUCTION METX

AP A2 APR 1 5 1995

∇. wla ΔT



YT,

Occam's Razor.

∇. ✓

IP/A3 APR 1 5 1995

T. What obt ~~em~~ invc ?

mvc

mvc

EVENT DETECTION

is part of C,

& CLOSELY RELATED

to V (geom. overlap)

T. ✓

t

IPA$_1$ APR 8 1995

PT

He continues to list Domains.

3) Enterprise Information Systems

4) Computer Mapping

Map DA.

5) CAS Applications

IP 4 2 APR 8 1995

YT

SOME THINGS CAN BE LOCKED.

T. But isn't that [illegible] contrary
to meme metis?

YT - No, no,..

IP A_3

APR 8 1995

EXTERNALIZE
AND SHARE
THE RECOMBINATION
MECHANISM.

IP$_{A4}$ APR 8 1995

We leave.

MTG PT.

T. So what's the meaning of the IP protocol messages?

YN. (Not objective.)

"It's a design!"

HAW!

HE WANTED TO AVOID CONTEXT SENSITIVITY —

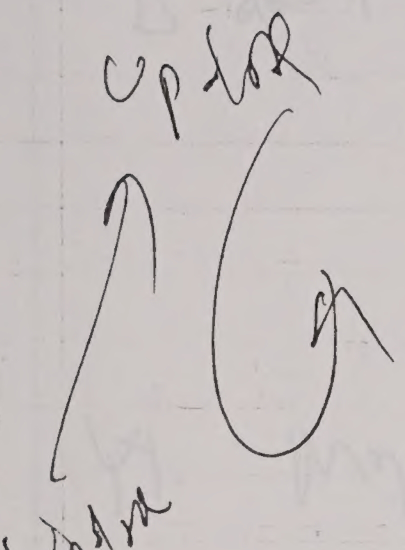
YOU!

APR 8 1995

A5

Gimme can be asked at any time.
(= USER INTERRUPT)

IP A6 APR 8 1995



Various sequences

TOTALLY
CONFUSING ME

IP A7 APR 8 1995

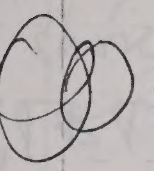
I don't get how

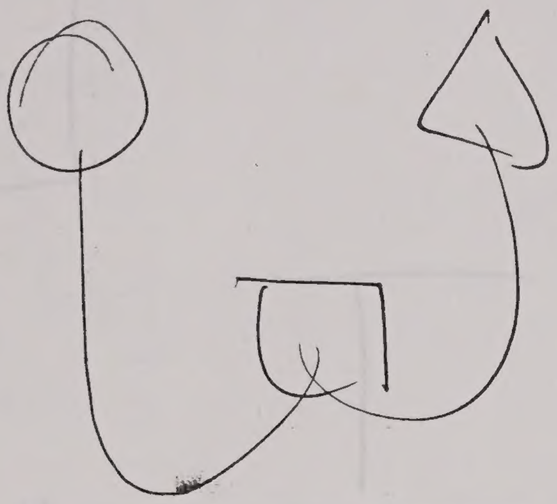
4. Why compare with prev. —

7. INTERNAL EVIDENCE
RATHER THAN
GUARANTEED PROTOCOL.

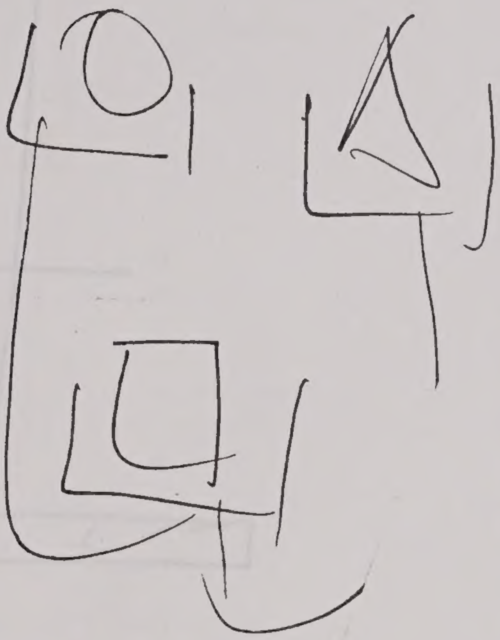
1P A8

APR 8 1995

 Fields:



MUST PROVIDE
NEW
MESSAGES

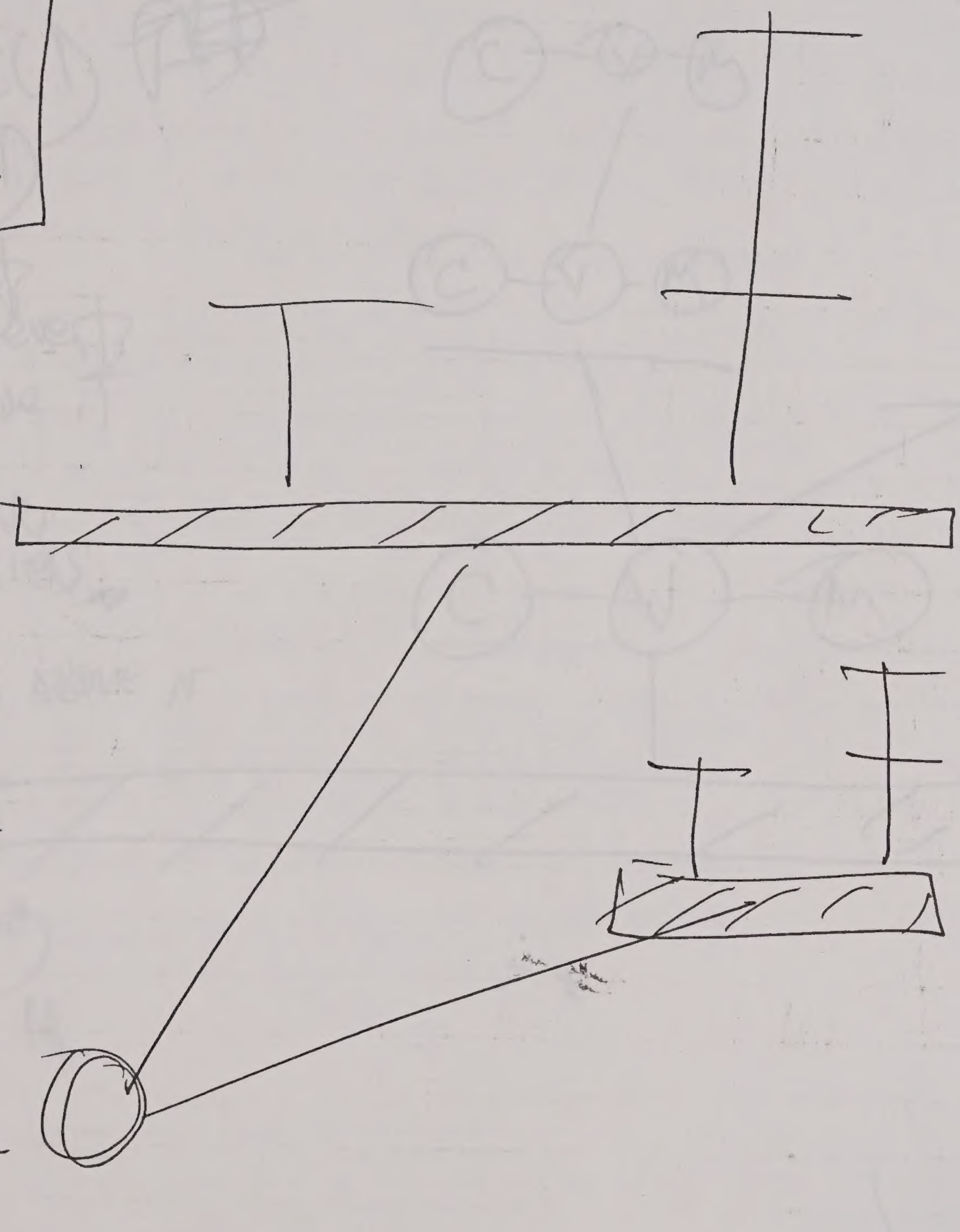


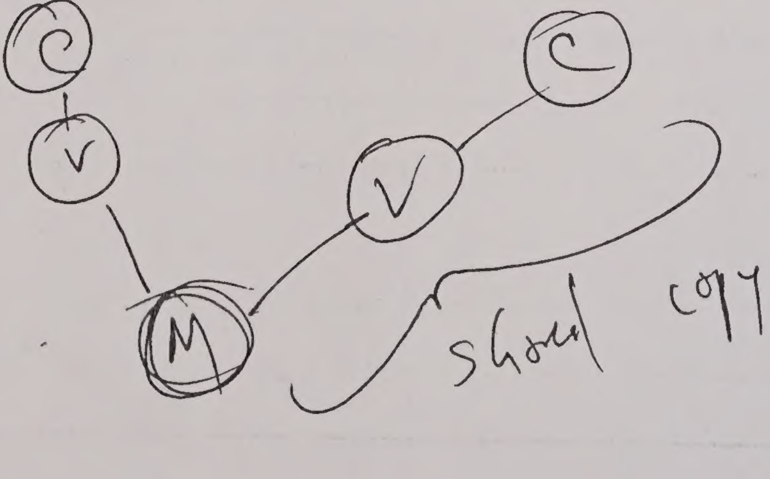
Boxes ┘
State
Me

IP Ag

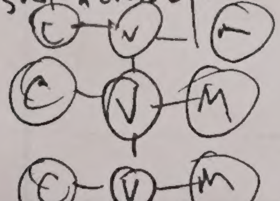
APR 8 1995

HARED COPY
shows
STATE
but not
EVENTS.





Usual hierarchy:



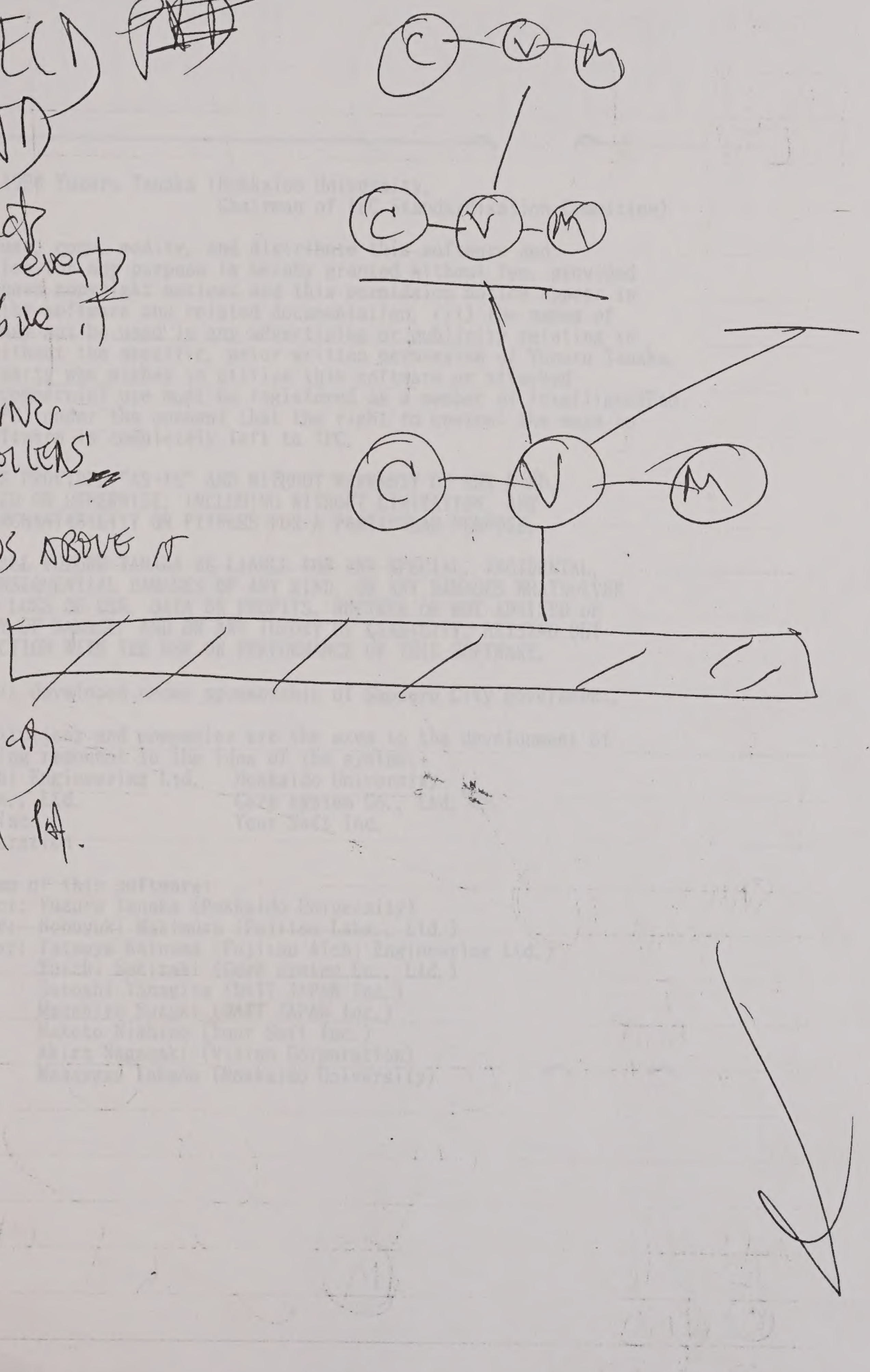
APR 8 1995

A10

FIELD ~~PAD~~ PAD

Detect all event above it

b) REPLACING CONTROLLERS of ALL PADS ABOVE IT to intercept b-T communication to field pad.



VP A11

APR 8 1995

```
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 *                                   Chairman of IPC Standardization Committee)
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 *
 * This software is developed under sponsorship of Sapporo City government.
 *
 * Following institutions and companies are the axes to the development of
 * this system being resonant to the idea of the system:
 *    Fujitsu Aichi Engineering Ltd.   Hokkaido University
 *    Fujitsu Labs., Ltd.              Core system Co., Ltd.
 *    DATT JAPAN Inc.                  Your Soft Inc.
 *    Vision Corporation
 *
 * Development team of this software:
 * System Architect: Yuzuru Tanaka (Hokkaido University)
 * Project Manager:  Nobuyuki Makimura (Fujitsu Labs., Ltd.)
 * Chief Programmer: Tatsuya Kainuma (Fujitsu Aichi Engineering Ltd.)
 * Programmer:       Yuichi Sekizaki (Core system Co., Ltd.)
 *                   Satoshi Yanagita (DATT JAPAN Inc.)
 *                   Masahiro Suzuki (DATT JAPAN Inc.)
 *                   Makoto Nishino (Your Soft Inc.)
 *                   Akira Nagasaki (Vision Corporation)
 *                   Masayasu Takano (Hokkaido University)
```
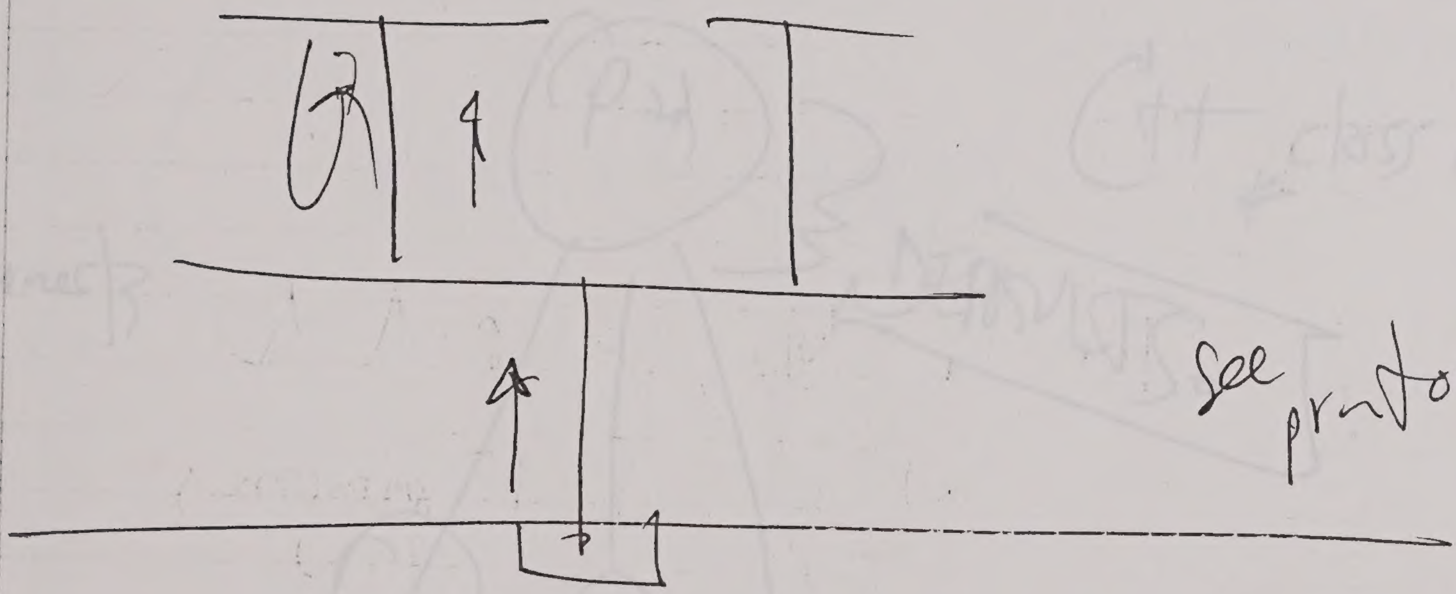

1P A12

APR 8 1995

Back to

UPDATE COMMAND



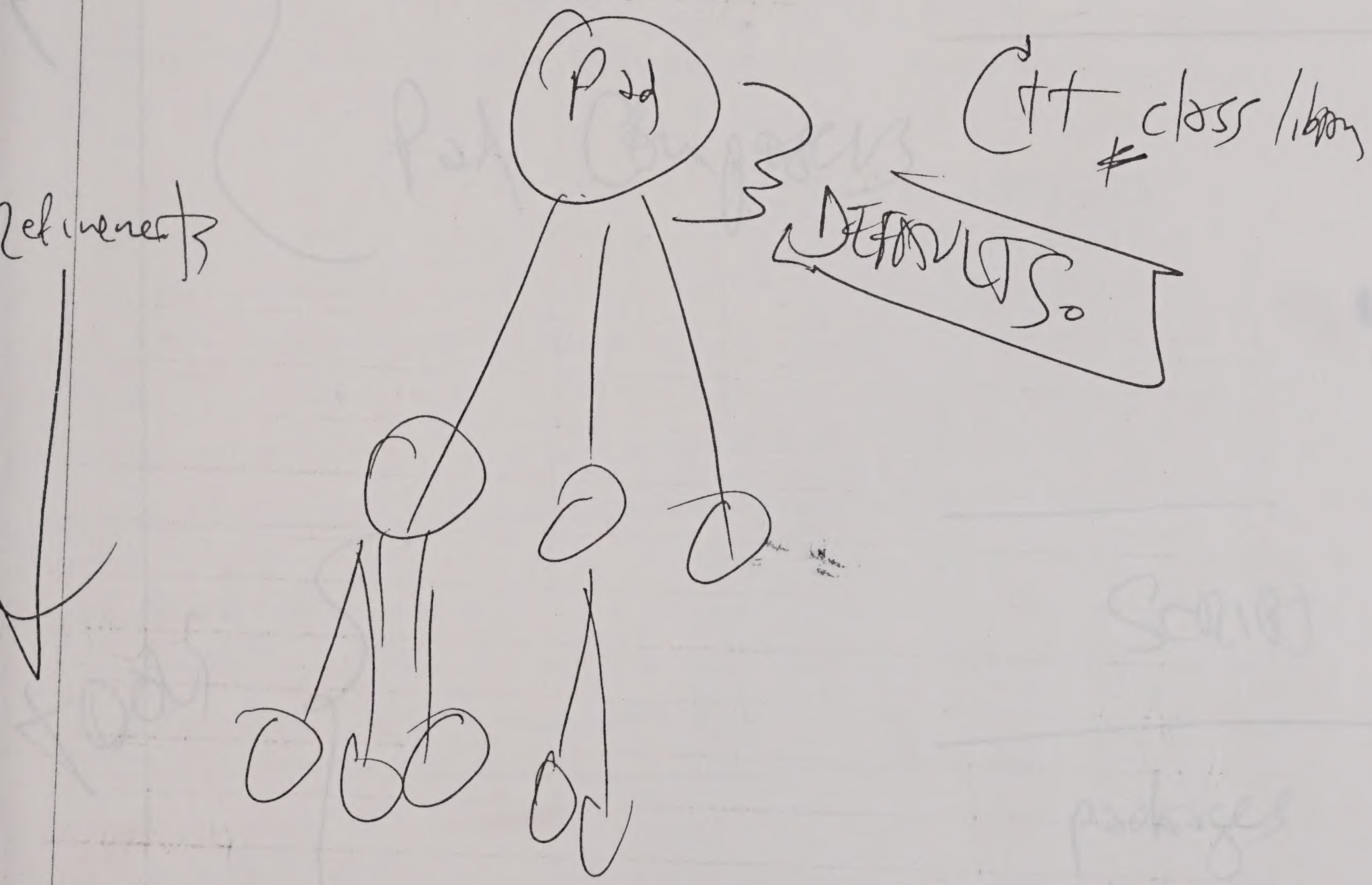
see printout.

IP A13

APR 8 1995

4T

INHERITANCE.



IP APR 8 1995

A14

YH

LEVELS OF P&D PROGRAMS

Beginners

PEOPLE

P&A Developers
MAKE PRIMITIVES

P&A Composers

SCRIPT

TOOLS

packages
kits

IP
A15

APR 8 1995

Non beginners	Advanced ~~non beg~~ developers Business people
	system integrator
modifiers dev't tool p&d dev't tool	
patterns* frameworks*	

* says these are current usages.

1P
A16

APR 8 1995

T. THIS ENABLES ME
TO FORMULATE THOUGHT.

Will it be the case
that you can
RECOMPOSE PODS
with
NEW
SLOT VERSIONS?
FUNCTIONALITY

IPA,

APR 2 1995

MTG

* ACROSS NET

* DOCUMENTATION

⇨ WHEN REF. VERSION?

WP A2 APR 2 1995

YT, It's not jst to ~~have~~ make new language —
we need
CONTAINERS AND LINKAGE.

(MJ leaves)

HP B1

APR 8 1995

He says his main idea is MEME MEDIA —
'not just a software construction k.t.'

HUH?

YT. (If it's a software construction k.t.,
people can HIDE THEIR METHODS.)

He wants to PERSUADE PEOPLE TO ~~WO~~
USE MEME MEDIA!

1P APR 8 1995

b2

YT.
11.9

By Meme Media / Not a Toolkit

NO BURIED MATERIAL THAT CAN'T BE

AVOIDING PROPRIETARY (LOSS ~~%~~ OF BENEFIT FROM RESTRICTION)

RE-EDITABLE

Composition
DeComposition } ops

DISTRIBUTE IN RE-EDITABLE FORM

EASILY COPIED

T. I THINK WE COULD EXPLAIN
AS A TOOLKIT
AND STRESSING ALL THIS.

Without [illegible]
[illegible] do know
Dawkins.

1P B3 APR 8 1995

I want to understand —

① SAMPLE DOMAINS

② MESSAGING STRUCTURE.

1P APR 8 1995

B4

SAMPLE DOMAINS.

1) Financial Business.

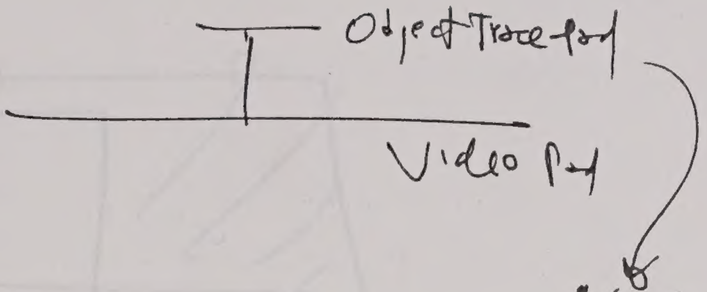
- Statistical analysis tools
- Economical
- Database
- Portfolio

T. Yeah, but I want to see DETAIL-LEVEL GROUND-UP EXAMPLES...

1P B5 APR 8 1995 45 /r.9

HE CONTINUES BLITHELY —

2) Multimedia Business
- Video Pad
- Sound Pad
- Object Trace Pad



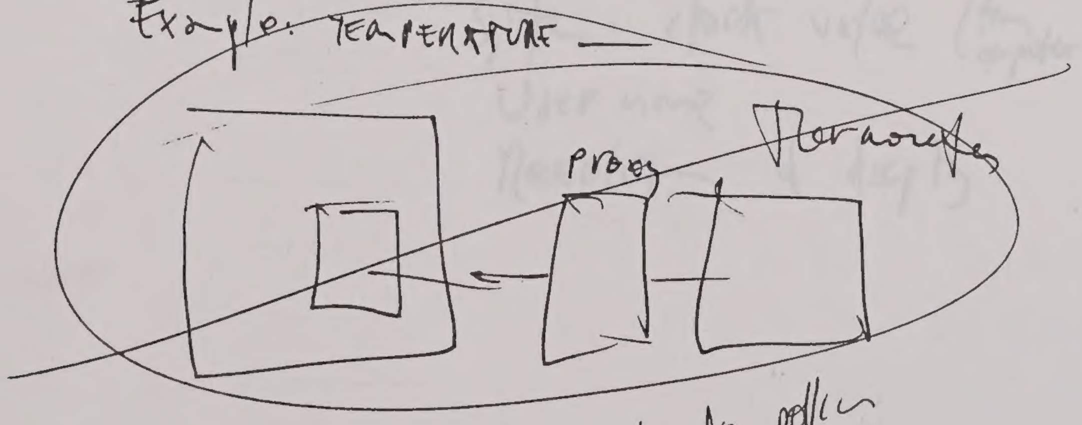
Automatically follows position and size of an object.

And it responds (NO PATTERN REC. IT JUST MOVES)

7. Huh?

How does a pad respond?

Example: TEMPERATURE —

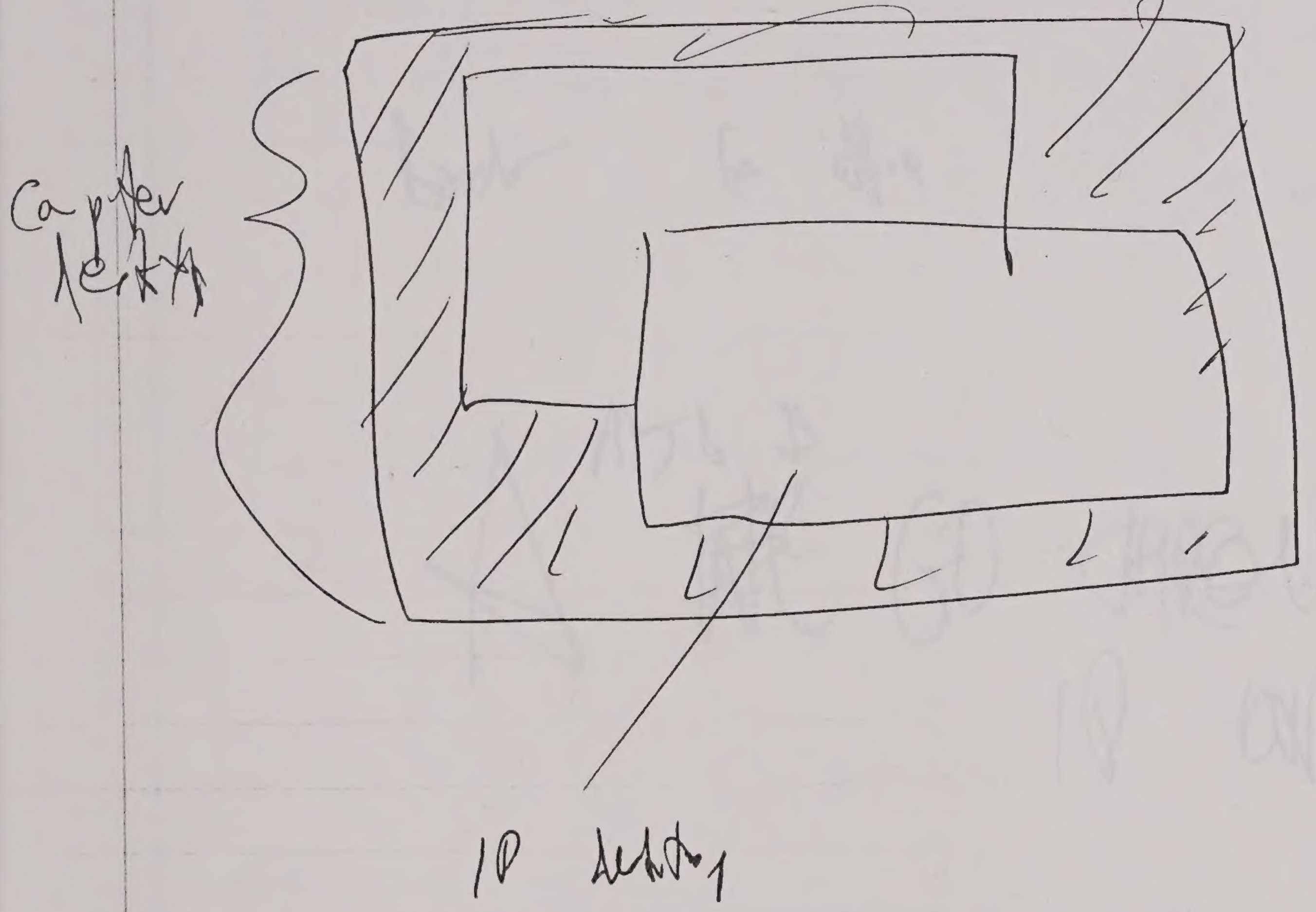


have to do polling and test loop

APR 8 1995

B ~~6~~

DESKTOP PAD



System clock value (from computer hdw)
User name
Resolution & depth

1,199

IP MAR 29 1995

A,

MJG

Back to office.

MJG & B

A ~~FAX~~ GO THROUGH IP ON SUN —

pretty mystifying

~~things~~ ~~not~~ mystifying?

IP,

#1/2

MAR 2 9 1995

MTG 9T

{He addresses The Group in Japanese while we do other stuff}

MTG
9T
MJ

① What's with the English Cleanup?
→ Ask Machida, he says.

② What are the IP versions?

Ⓐ Smalltalk-80. NOT BEING DISTRIBUTED.

Ⓑ Smalltalk Agents, from Quasar Knowledge Systems (QKS).

Mac Only.

QKS has said they'll release a PC version. Maybe.

Has CONCURRENCY & MULTIMEDIA.

Not documented.

Toshi's very interested.

MAR 2 9 1995

B1

Product editions:

Ⓒ FUJITSU. { PC
SUN.

Ⓓ HITACHI SOFTWARE ENGINEERING. { Mac
HP.

T. What about ~~[illegible]~~ SGI? Ref. version now running on it.

→ They use Neuron Data's Open Interface, it therefore becomes CROSS-PLATFORM

THEY CAN REPLACE THE KERNEL.

Mr. Kanda of Fujitsu productized it.

"[illegible]" mathematical language. (Fujitsu.)
Being replaced by [illegible].

Mr. Cohen developed.

IP B2

MAR 29 1995

⑧ Evaluation / Reference Version

TO COMPILE, NEEDS INTERVIEWS INSTALLED

Jn

Polly asleep in meeting.

YOU CAN NOW DOWNLOAD — Ref/Eval. Version

(CANON is downloading it.)

MAR 1 5 1995

A1

MTG
John Coode
JC CSR.

~~JC CSR~~

HE SEES FUJITSU & HITACHI
IMPOSING THEIR VERSION OF I.P.,
The Reference ~~R~~ Version losy ref.

[In cab, nodding out.]

MAR 16 1995

B

E N.1

The model -

~~DISTR~~ Simulate for 1. Pd.

DELIVERY FROM MULTI OWNERS

TO MULTI USERS.

W/ ~~#~~ nanowork payment.

If simulating w/ J. Pd,

then could ~~start~~ delivery

(sub version)

Video pd runs only, or {vid?
misc?

↓

~~SP~~, 1P A

MAR 7 1995

MTG
Oo
2 Hidd.

MISC.

IP MAR 7 1995

Oo says IP
will not support
what I want
to do...

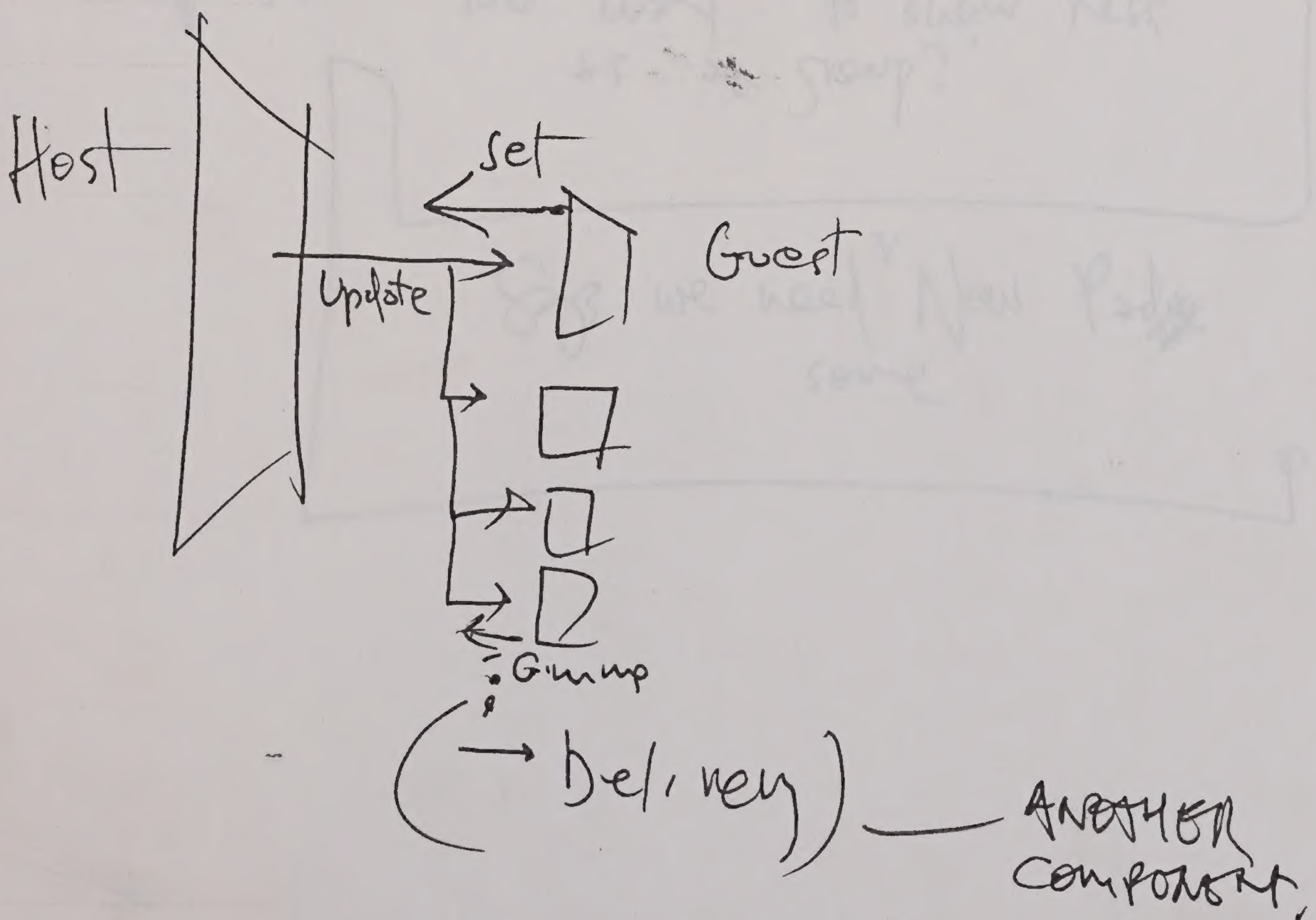
IP, 8P
G

MAR 1 0 1995

MTG
Cox &
Hidaka

Whoops!

I didn't understand
that the model was



MAR 1 1 1995

MB- YT

I say I hadn't understood the Set-Update-Gimme protocol!

SAYS IT'S A HELP IN ~~DE~~SIGN.

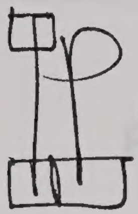
I don't argue.

I show him the Rosy problem.

YT. 'YOU want to show these as a group?'

Says we need some New Pad~~s~~

P

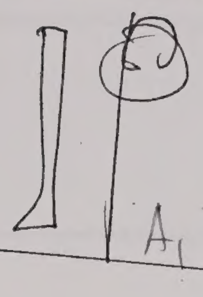


MAR 1 1995

CREATE ITEM ZIPPLEX

DELETE ['Goes 'inactive' if last use]

PROJECT /HYPOTHESIZE



FEB 1 5 1995

MTG
Kawamura
& Ootubo

I ask for a copy of IntelligentPad, please.

```
cd /home3/ipc/*70/bin
```

He copies all IP's here, does some cleaning

He copies to

hyper/ted/ip

SO GO TO

hyper/ted/ip/bin

& type

IP

Finish with QUIT.

IP A_2 FEB 15 1995

~~Others lurd~~

AMAZING!

AT LAST I HAVE INTELLIGENT PKD!

I just had to ask Kaihuna!

Others ~~Arorh~~ lurd, I heard a -

FEB 1 5 1995

A3

MTG EVERYBODY-

YT, MJ, KN,
Oo, Hideka,
Jak, Nok, Nok,
Kamba

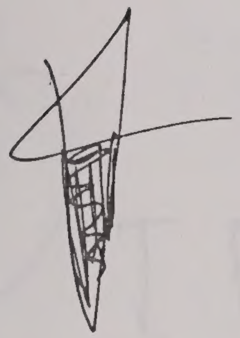
Tobebe presentation.

Mime-type

YT explains:
FOR PAID DOWNLOAD
YOU NEED
A LOT OF COMPONENTS.

FEB 1 5 1995

HP Ay



MAR 22

is a first Major Lab Open House.

Project S will be demonstrated!

IP A5 FEB 16 1995

MTG YT

(before session).

①

I. Pat needs EVANGELIST.

English speaker.

Caliber of me or Papert.

Grois?
Senzig?

He starts talking about Memes.

& say LEAVE MEMES OUT OF IT

Has nothing to do with his whole distrib. objects.

HP B1 FEB 17 1995

MTG IT
r.19

What comes through a slot?

(DEFAULT = DATA (slot is a Register).

For other stuff, like Pads =

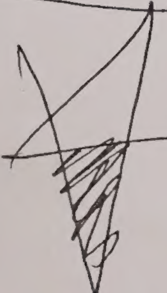
"You have to write a program."

PAD POSTING

Order of mag worse: SLOTS

" MODIFIERS

" PROGG OF ~~SLOTS~~ PADS.



PRIM. PADS ~~ARE~~

ARE HARD TO MAKE, he says.

(IP) JAN 7 1995

A1

MTG
Ootsubo

長 〃
shobyred

Ae-- I.PAD IS BAD!

As everyone knows.

$100 million has gone into it!

And a hundred people live off it.

IP B1

JAN 7 1995

TO LAUNCH I.PAD

/home3/ipc/ipr/bin

* DOESN'T WORK FROM THIS MACHINE.

P A1

DEC 2 4 1994

MTG

YT, Oo, Nst(lg), + stebe

(YT continues with stuff at the Board.)

PAD LOCK.

Prevents it from being Decomposed.

P

DEC 14 1994

A1

ECB

SP

(Politically,

this is a compromise between
FULL REDESIGN AROUND DATABASE
&
NO COMPUTERIZATION AT ALL.

(The political takeover by MIS)

IP A_2

DEC 14 1994

(I propose JPEG, Interpreter for
① INCREMENTAL REZ
② ZOOM w More ReZ.)...

||P A3

DEC 14 1994

	USA ~~IBM~~	World Wide
	IBM	IBM
#2!	HP	Fujitsu
		NEC
#4!		HP

P DEC 14 1994
A4

They will have Special Sig under Info Proc Society & Japan.

Industrial MM?

1P A5

DEC 14 1994

NINTENDO'S COMING!

11 Jan

Their strategy: HOLD MARKET

Over-control the vendor

IPAG

DEC 1 7 1994

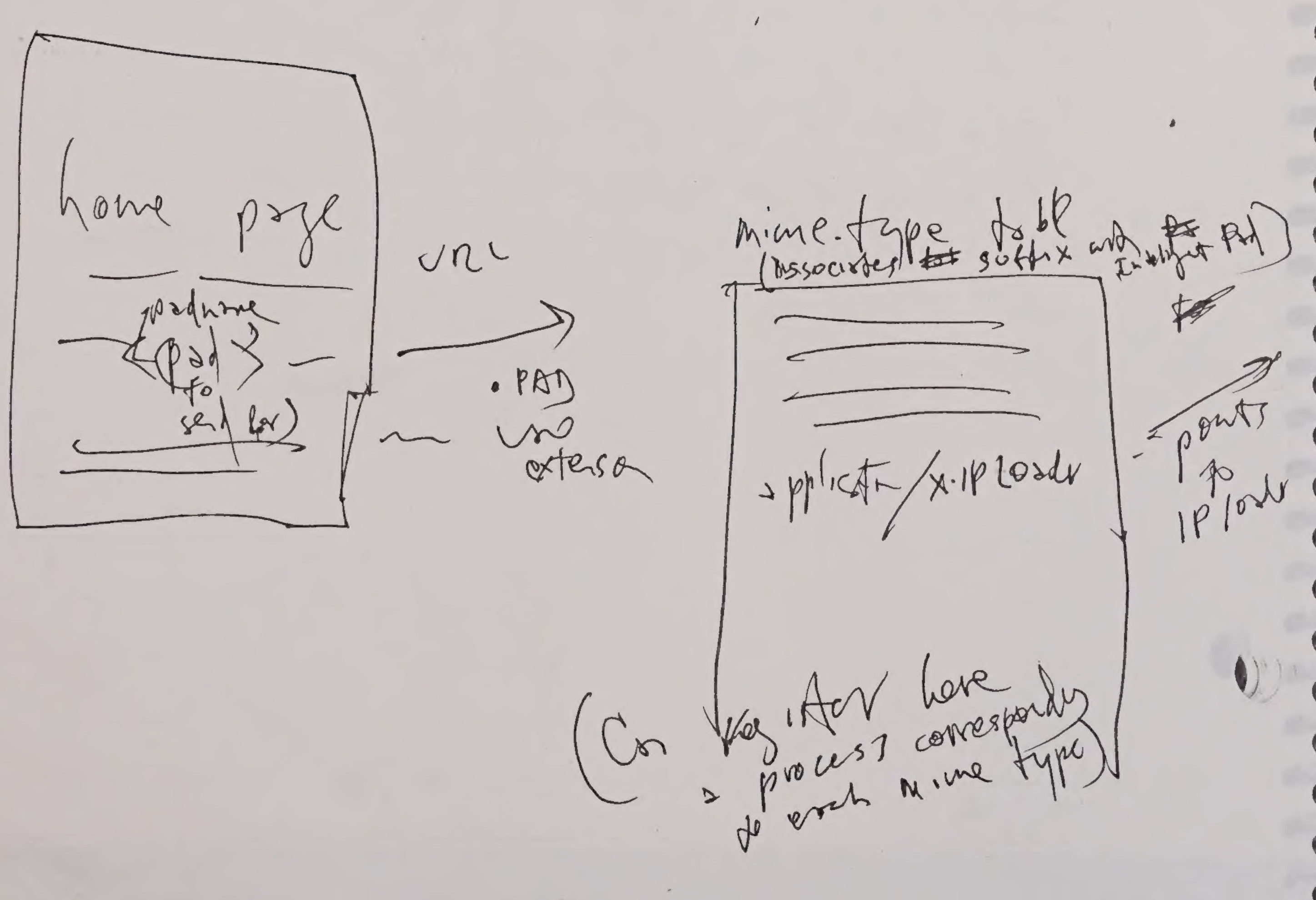
MTG

PRESENTATION OF WORKS BY STUDENTS

Visitor:
Prof
Tatsufumi
Noguchi,
Kushiro
tech. College

Nakajima, Kazu

IP LOADER.



(Can Register here a process corresponding to each mime type)

DEC 17 1994

A 7

TAKEBE.

He will put IMAGE OF PAD w/. Postscript, ~~[illegible]~~.

so image of pad goes in GIF.

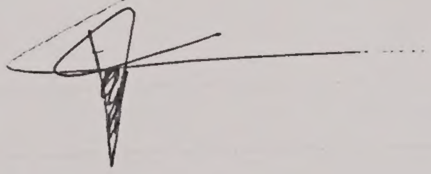
DEC 1 7 1994

A 8

OOKURO

☆ demonstrates DOWNLOAD OF POD (ftp fra 'Hyper' server).

DISCUSSION.



UP Ag DEC 17 1994

DISCUSSION.

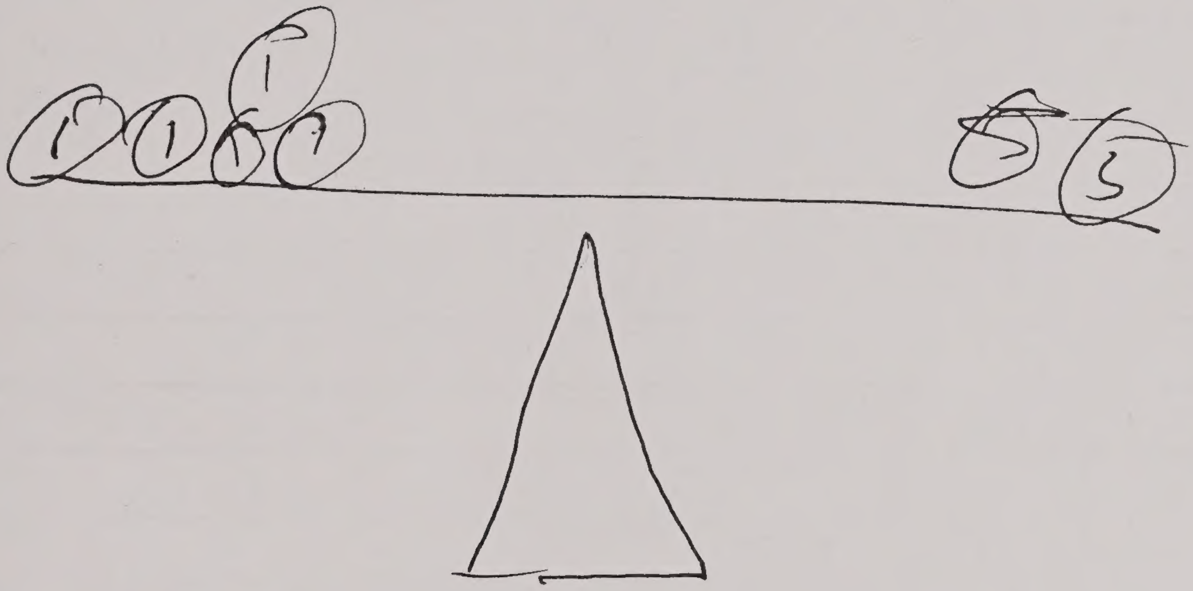
* C says LINUX PROB. NOT DISK-COMPATIBLE
WITH MS-DOS!!!

YT. That's for Ref. Syst. guys to investigate.

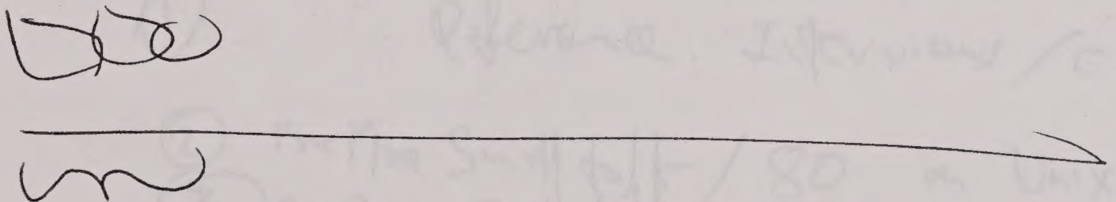
| P DEC 1 9 1994

B1

MTG
(for MS



Pak



adds
up

IPA

DEC 9 1994

I.PAD

MTG —
YT,
Chévrels,
MJ

JC. NONCOMMERCIAL VERSIONS.

① Reference. InterViews / C++. v.0.95

② ParcPlace Smalltalk / 80 on Unix ~~& Mac~~

③ ParcPlace SmallTalk-80 on Mac.

④ Quasar Knowledge SmallTalk Agents Version (Mac (MULTI THREADED.)

Kenne
compcot

1P A_2 DEC 9 1994

JC. CD-ROM Autom Tool...

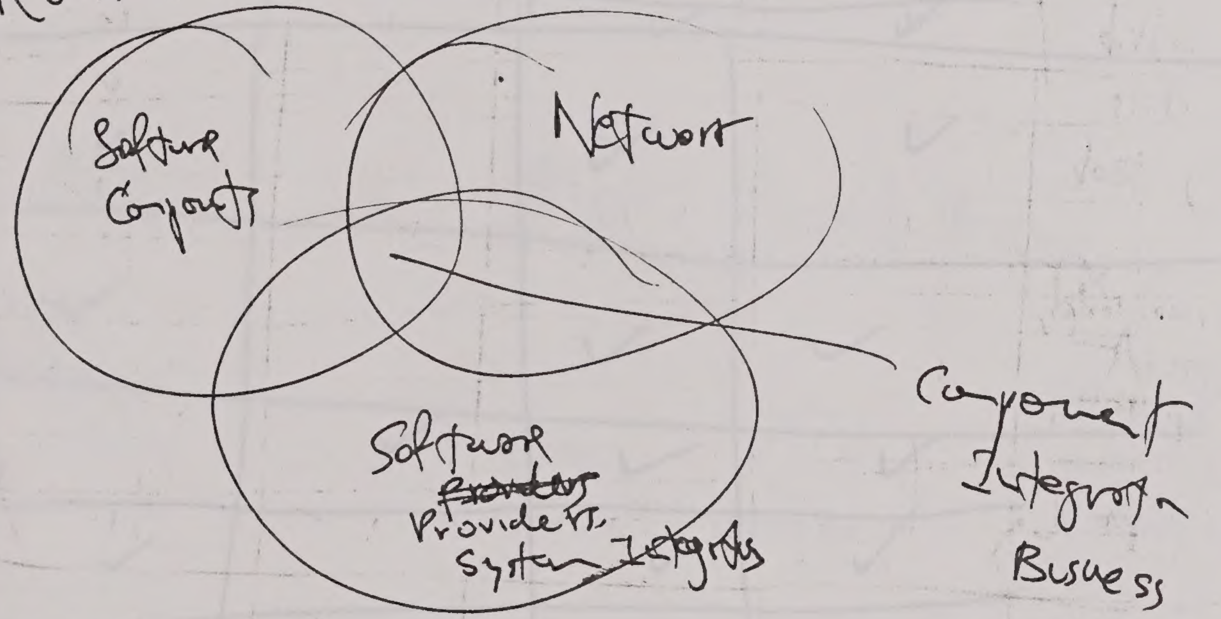
NP B1

DEC 1 0 1994

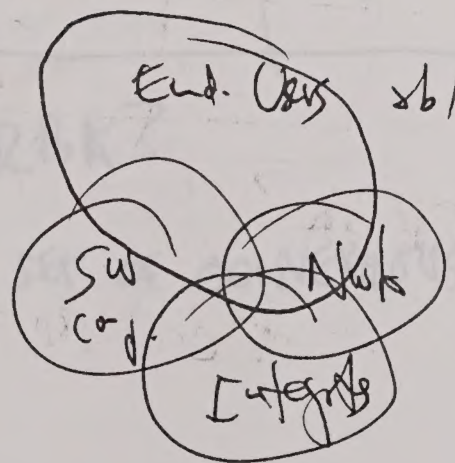
MTG

YT presents Intelligent Pd

CURRENT Situation



His proposal



able to RE-USE
& ~~MAKE~~
TAKE APART PARTS

DEC 1 0 1994

IP B2

YT

Current Object

	Taligent	Kaleida	OLE	OpenDoc
Redistrib by End User				
Reediting by End User				
Component Distrib			✓	✓
~~Authoring tools~~			~~✓~~	~~✓~~
Authoring tools	✓		✓	✓
Frameworks, ~~Approach~~ patterns	✓		✓	✓
Script Lg		✓	✓	✓
API	✓		✓	✓
OS	✓			
Hardware			✓	✓

} → MED

T also: CORBA?

YT: SET OF CONVENTIONS.

18 B3 DEC 10 1994

Y+

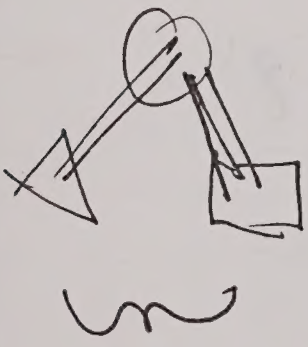
His df. of Media

'substrate for distribution'

EDITABLE.

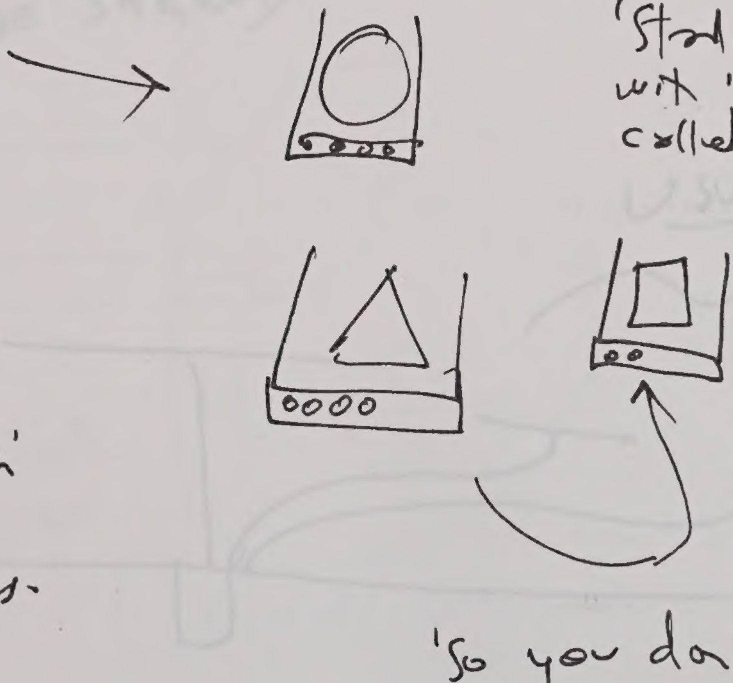
VISIBLE!

OO Arx vs Media-Based Arx



DIFF
LINKAGE
MECHANISMS.

thus 'you must write down'
the differences
of the interfaces.



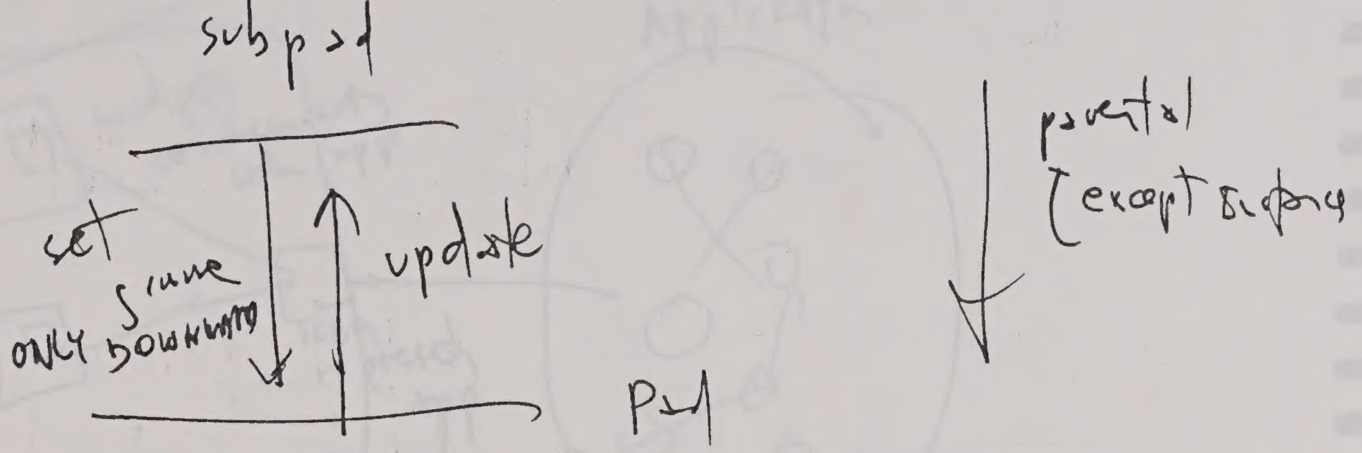
'Standard boxes'
with 'jacks'
called slots.

'So you don't have to
write anything down.'

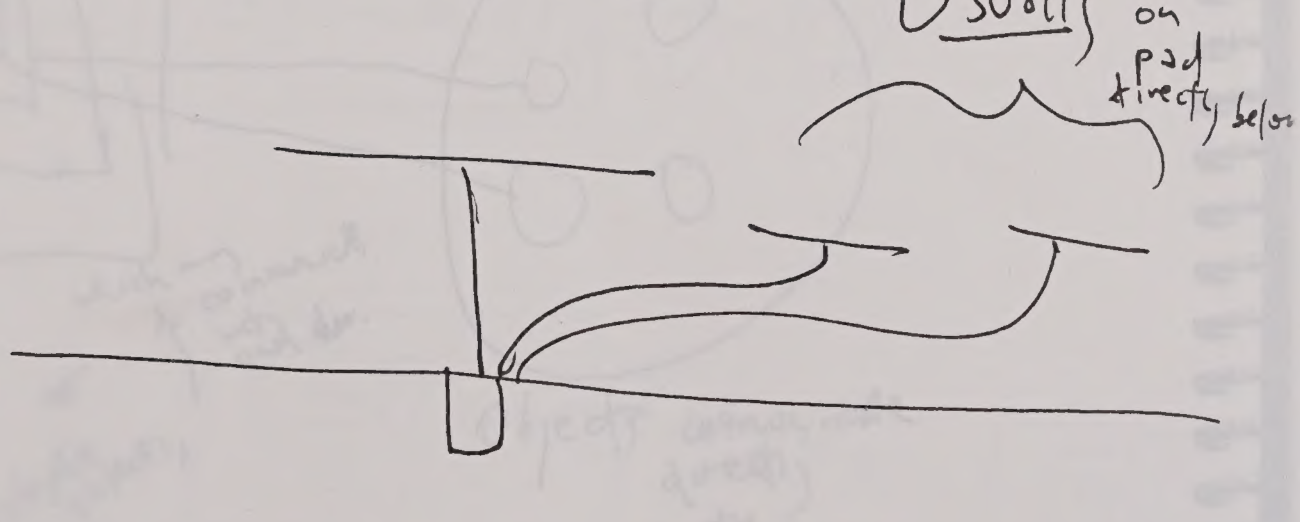
↓

1 P B4

DEC 10 1994



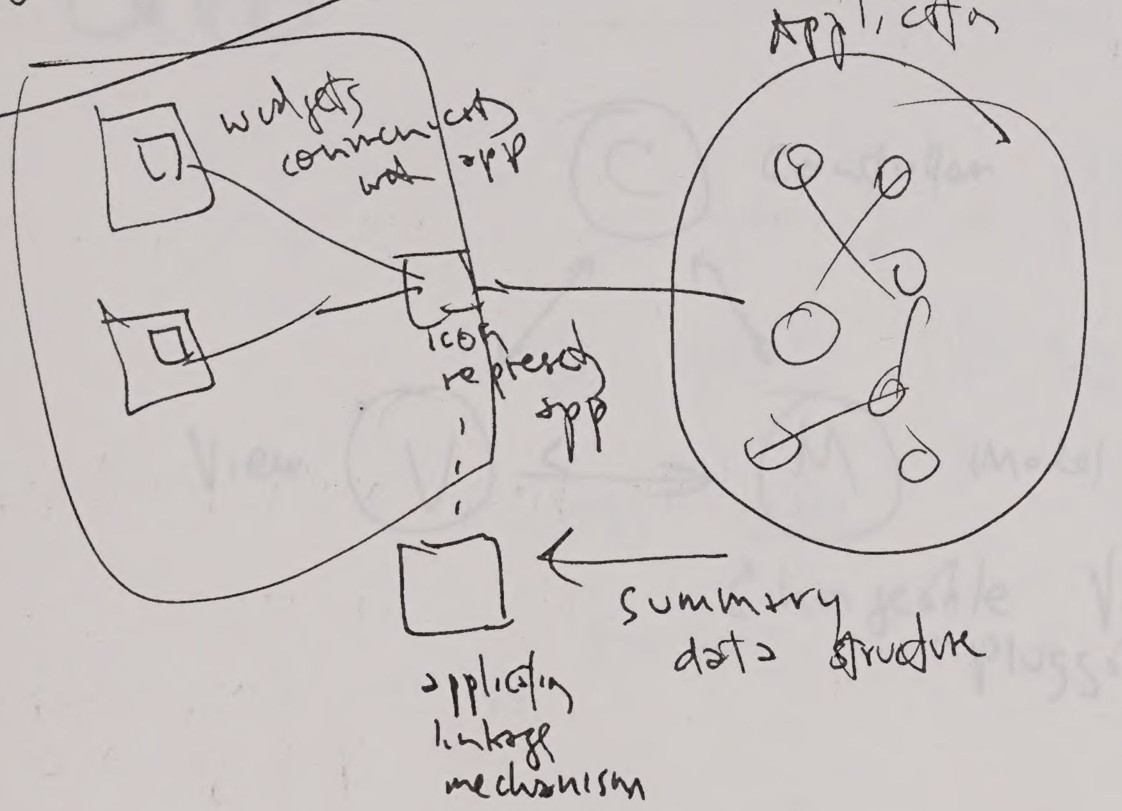
SLOT
CAN BE SHARED

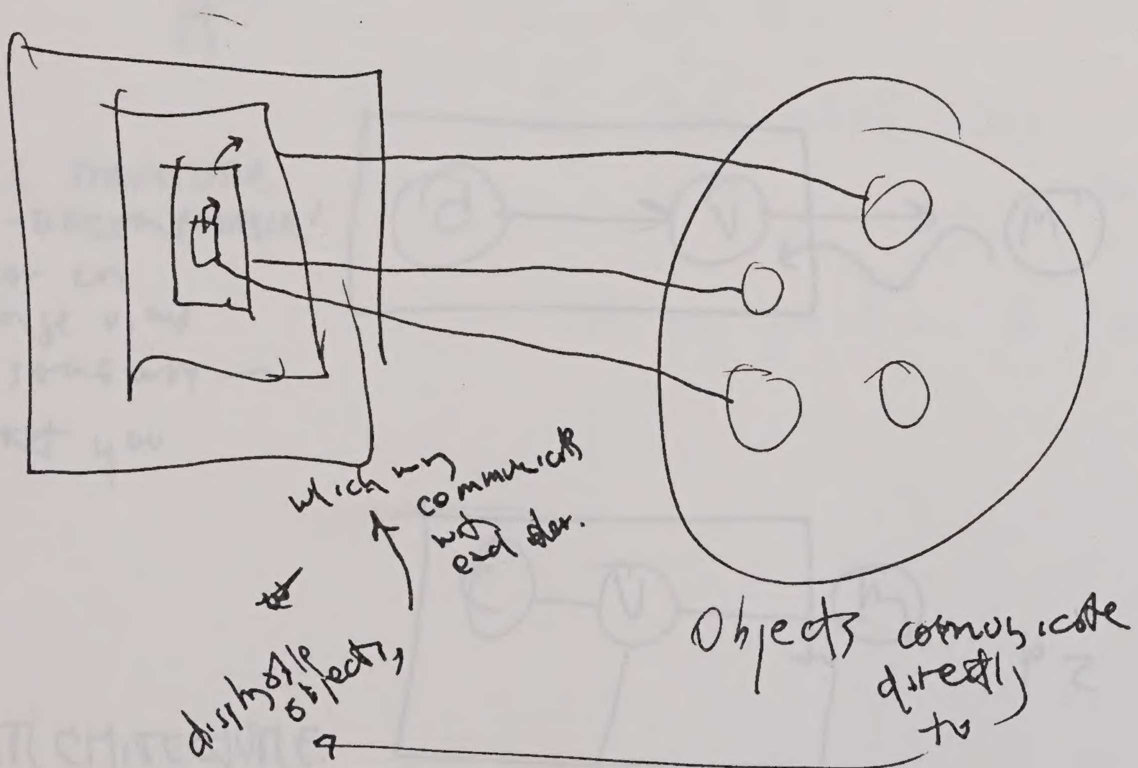


DEC 1 0 1994

IP 135

GUI vs IP



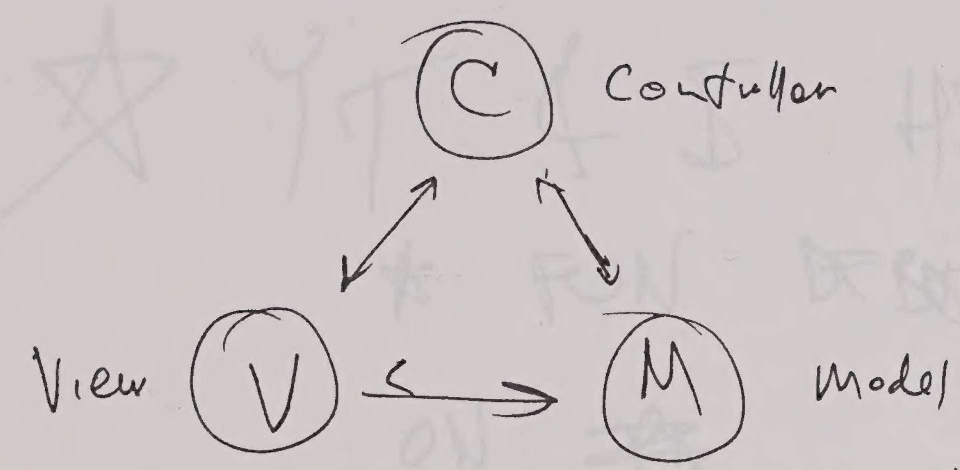

which way communicate with each other.
displayable objects,
Objects comunicate directly to

THUS THE SCREEN MECHANISM REPRESENTS ~~THE CONNECTIONS~~ THE CONNECTION BETWEEN OBJECTS.

IP
B6

DEC 10 1994

Old OO:



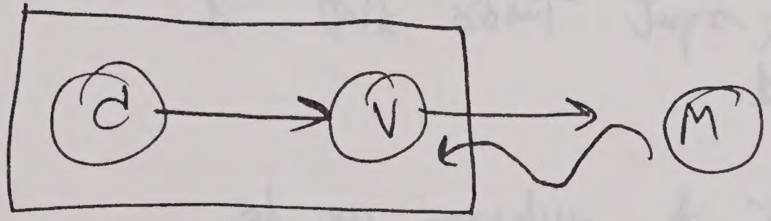
Changeable View:
"Pluggable MVC"

IP:

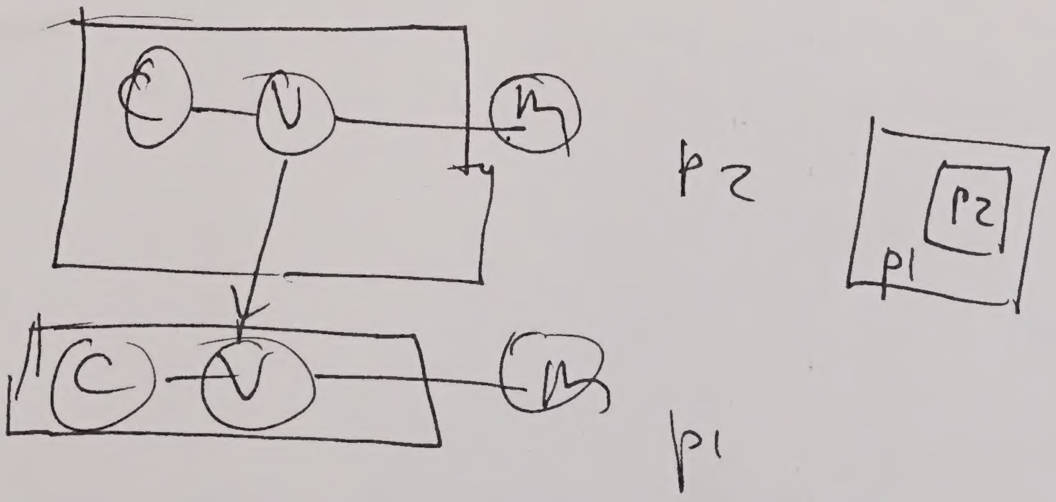
ATOMIC STRUCTURE,
NON-DECOMPOSABLE!

T. But you can
change views
in someway —

Y. For that you



IP ARCHITECTURE:
UPPER VIEW
COVERS
lower view)



1P

B7

DEC 10 1994

☆ YT & I HAVE A FUN DEBATE ON ~~IR~~ RESTRICTION.

I talk about Japan, precision, Deming ...

and my paradigm of "no restriction."

1P
Bg

DEC 1 0 1994

Proxy Pad providing

INTERFACE MODULE + External World

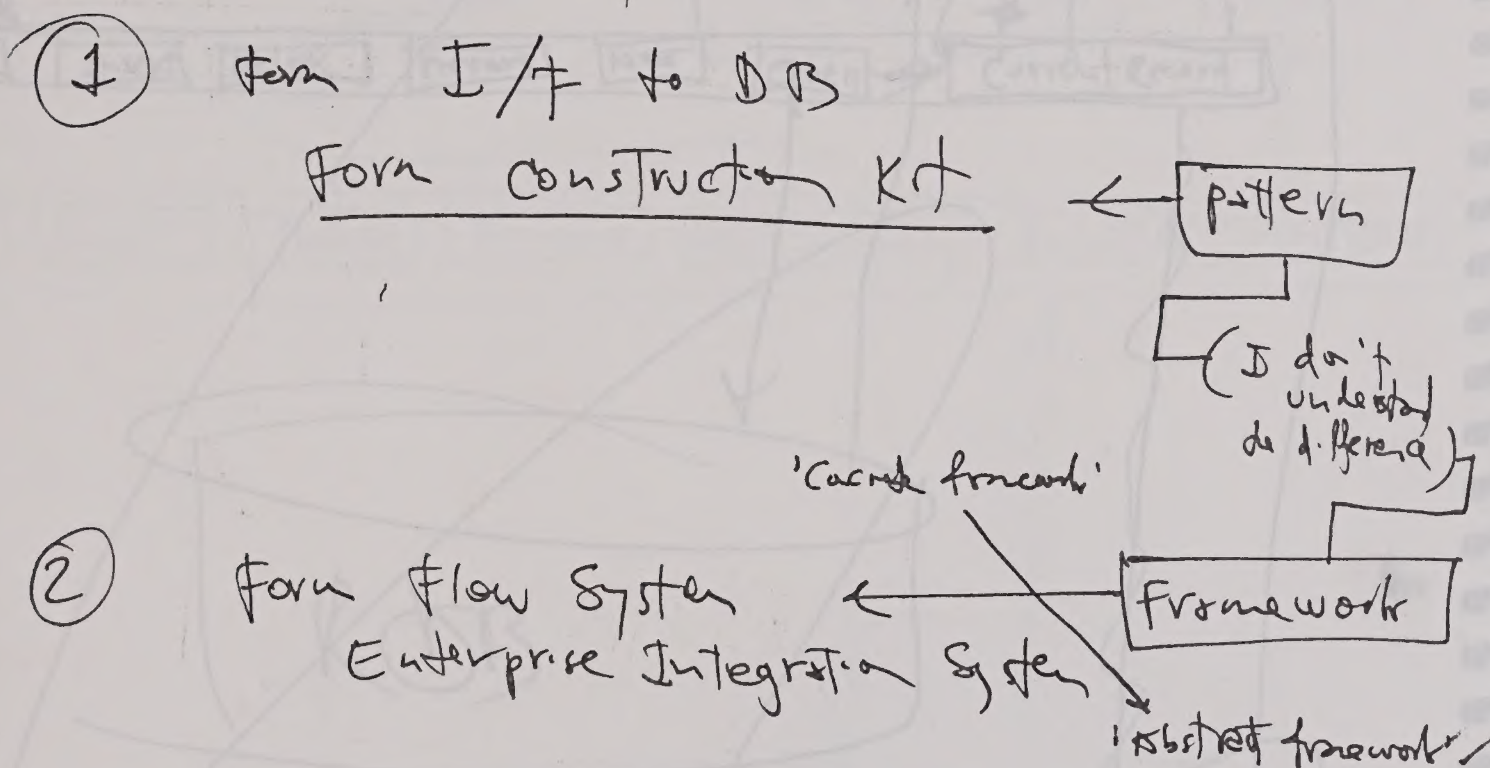
PHYSICAL VIEW

LOGICAL VIEW

IP
Bg

DEC 1 0 1994

DB & S.Pad



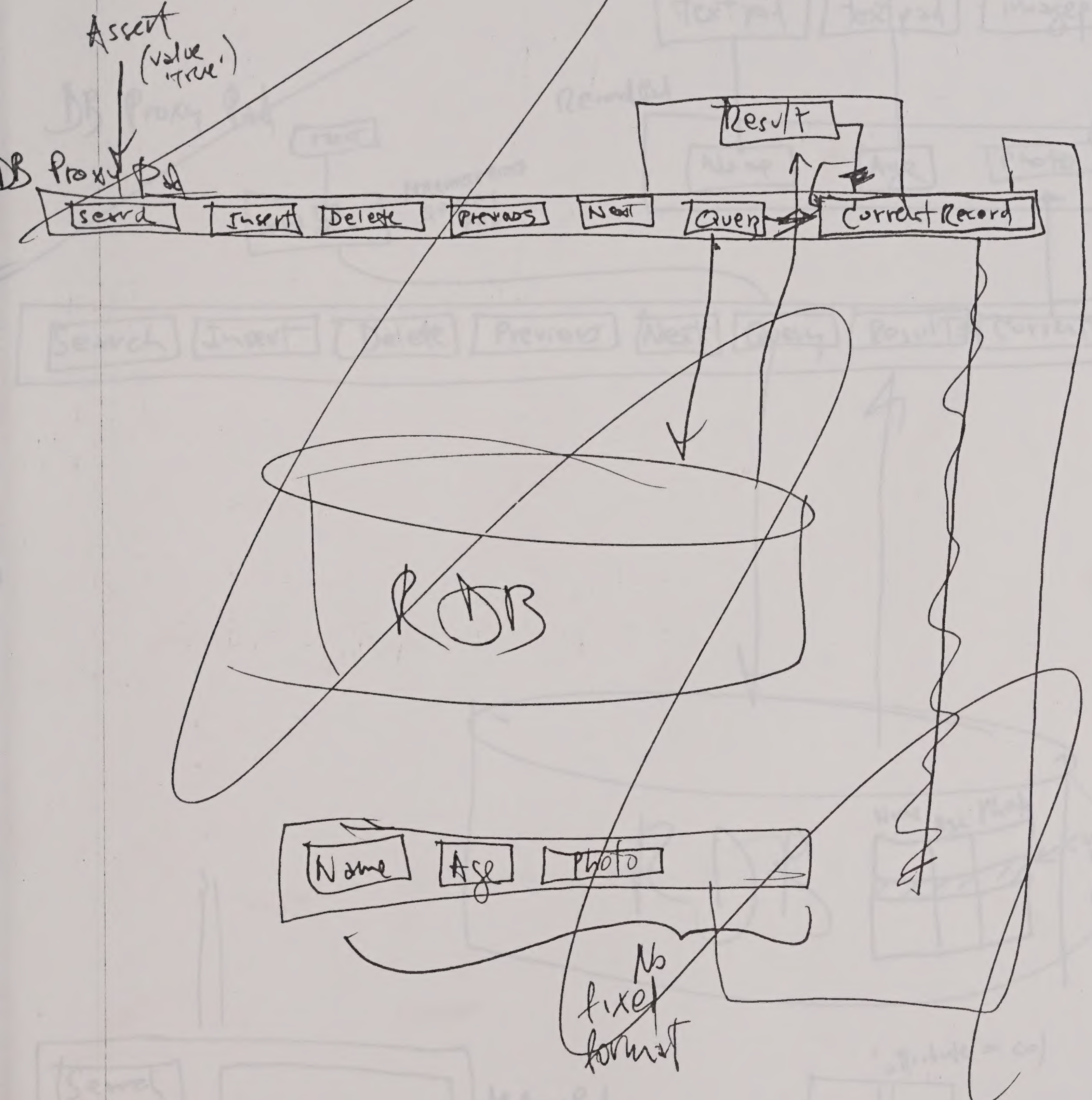
① Form I/F to DB
Form construction Kit

② Form Flow System
Enterprise Integration System

DB & SP: FORM INTERFACE.

DEC 10 1994

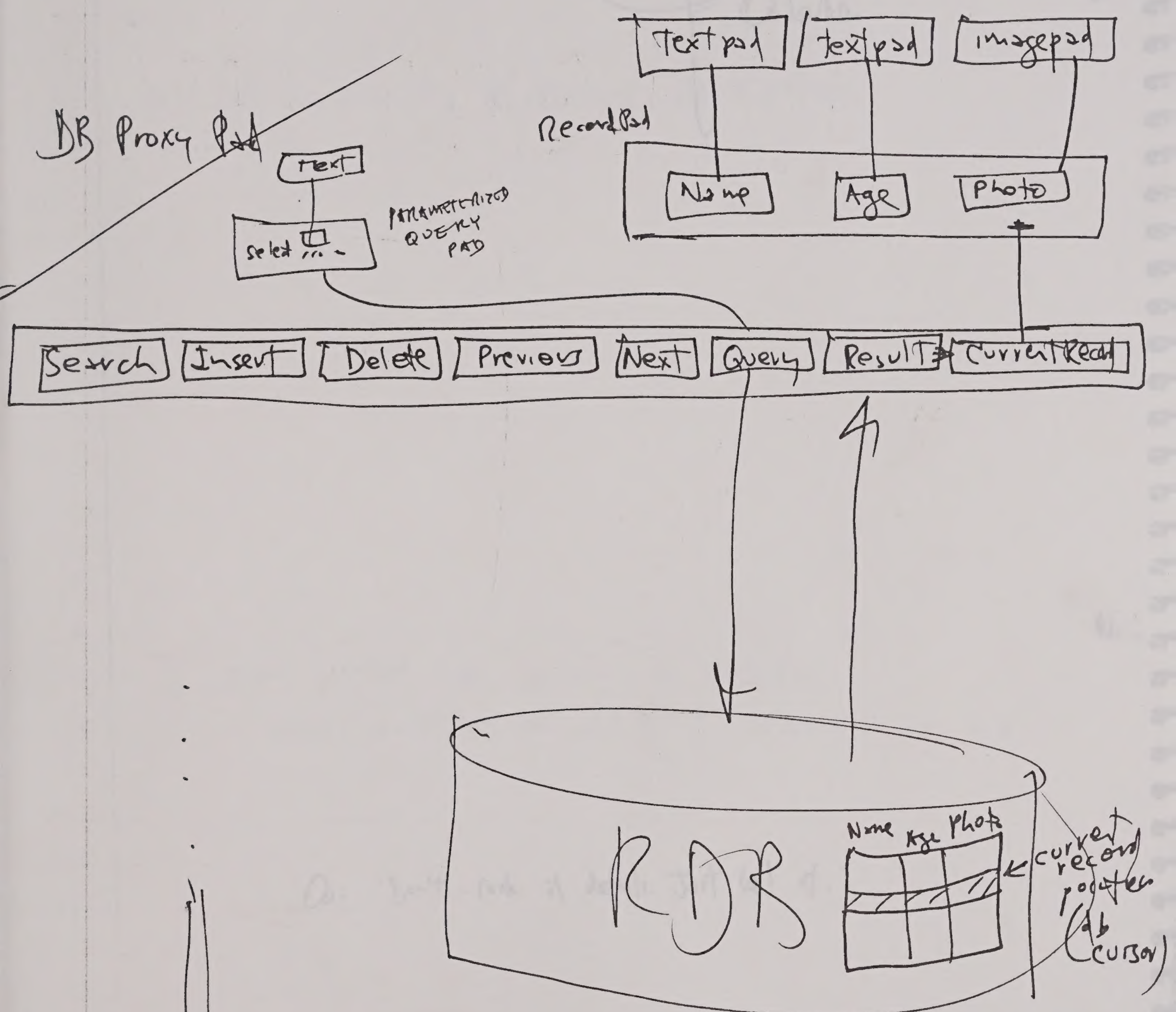
B10

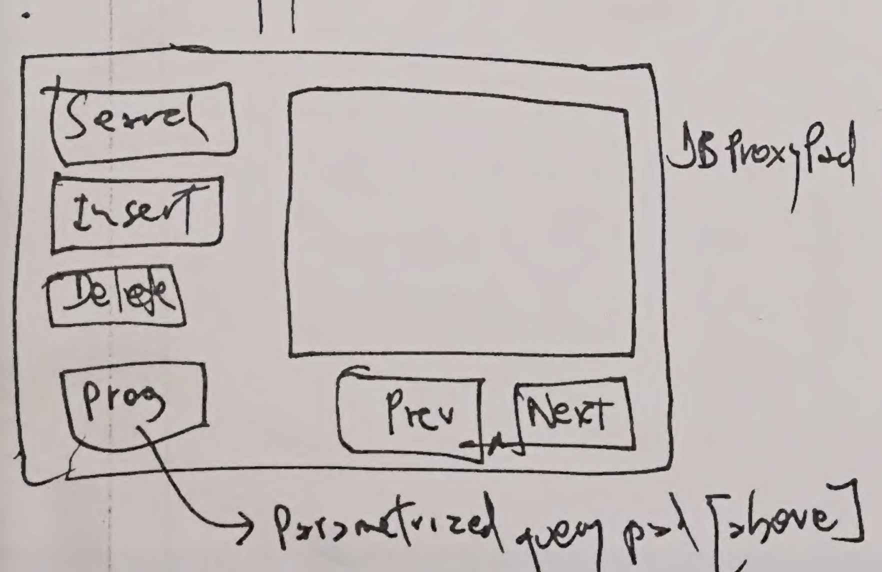


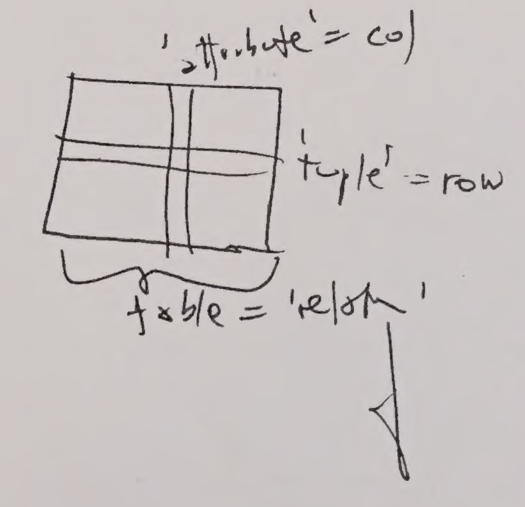
DEC 10 1994

B11

DB & IP: FORM INTERFACE







DEC 14 1994

Colombo.

Co: 'Don't look at details. Just feel it.'

D

DEC 14 1994

He'll halt the prev. img TO PROVIDE ANIMATION.

'I have accepted the opinion of Tedusa.'
WILL OVERWRITE NO OTHER THAN FILL UP DISK.

SW, 1 P E1 DEC 14 1994

mog

Ideas—

eg. 'Supporting Merge using conf mod.'

DEC 14 1994

F1

(C++-like notation)

Zip_PersistentObject :: Create (Zip previousVersion)

Class of returned object

Class in which this ~~method~~ method is defined

method

class

arg

param

IP F_2

DEC 14 1994

PT ~~of~~ a IP.

IP provides

STANDARD PAD FRAMEWORK FOR TOOL COMPONENTS
LARGE LIBRARY OF READY-MADE PADS
OPEN ENVT FOR PAD MIGRATION
PROXY PAD FOR OTHER ENVS
STANDARD INTERFACE = LIST OF SLOTS.

FIELD PAD: Utility PAD

Allows shared copies to share any event;
CAN SEND TO ANOTHER SITE!

~~A~~ Shared copy is TRANSFERRED TO ASCII FORM,
SENT TO OTHER SITE,
AND LINKAGE MAINTAINED BETWEEN SITES!

(through Unix pipes in Evsl. Version.)

$(H)_{F_3}$

DEC 14 1994

☆ ☆ ☆ ☆ MPP

One object can have n special descriptions

two objects can have

n special similarities.

IP DEC 14 1994

F 4

DIFF FROM FORM-TYPE GUIS.
CAN BE COPIED AND EDITED!

☐

IP A1

DEC 1 1994

MOG

John:

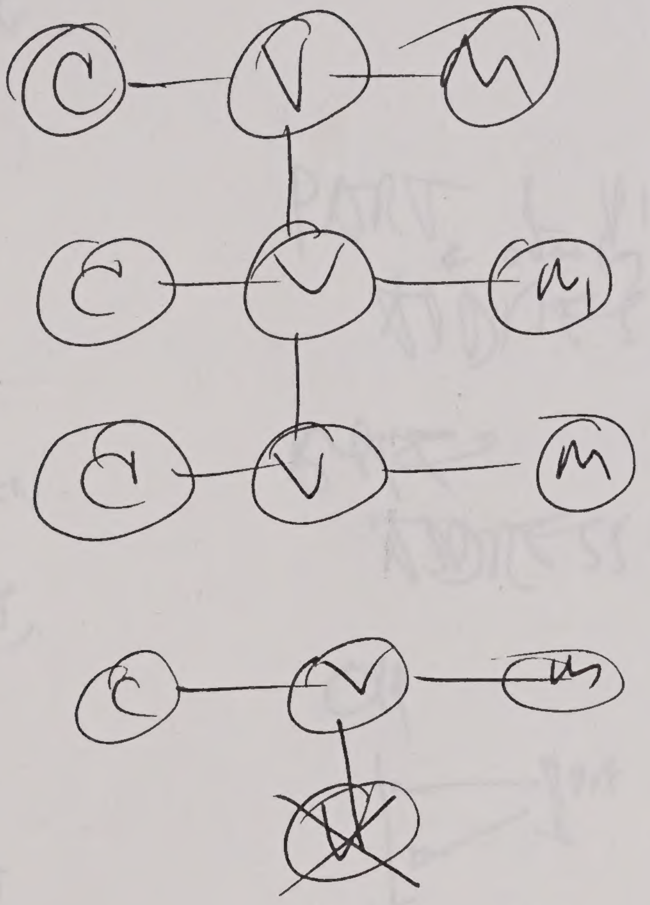
LIKES MY VID GAME IDEAS.

F

TP A_1

NOV 9 1994

I. Pad Model



Hides the view underneath

AU, IP A

AUG 31 1994

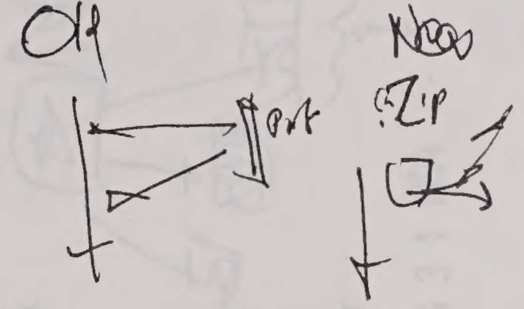
THERE ARE ALWAYS TWO KINDS OF ADDRESSING:

PART & PIECE (& overlay) ADDRESSING,

BYTE ADDRESSING.

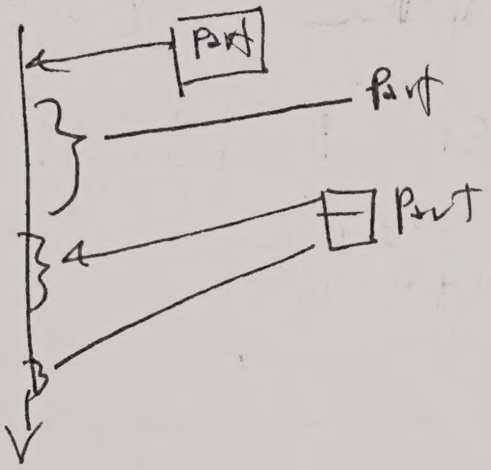
PART & PIECE
& overlay
ADDRESSING

BYTE
ADDRESSING

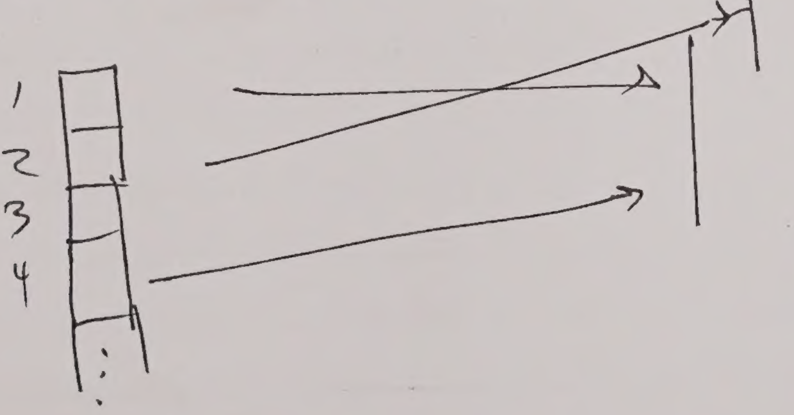


AUG 31 1994

In the old Xanadus,
THERE HAS ALWAYS BEEN
A BASIC
BYTE STREAM ADDRESS,



BUT IN GOING BACK TO DISCRETE ZIPS,
MAYBE THE PART-NUMBERING GETS PRIMACY.



yeah, well, even so,
it maps to a
byte sequence.

XU, IP

AUG 3 1 1994

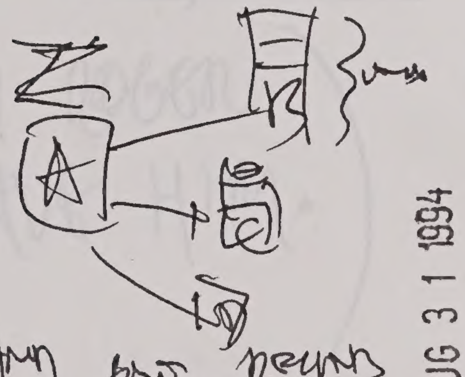
ZIPS

ZIPS

DIRTY ZIPS

[illegible]

DIRTY LINKED
SIDEWAYS
TO Z(A)



AND ITS NEIGHBORS
ARE ORBITING
SOME VIEWS (or via)
ONE ANOTHER.

AUG 3 1 1994

IP AUG 24 1994

A1

MTG [illegible] Lee

Same class, less Tanaka's [illegible].
10 listeners incl. Takahashi,.
Plus me.

TANAKA TALKS, IN JAPANESE.

Cites Mark Stefik's paper from Ecology of Computation

(WHICH ROGER GAVE HIM.)

$1\gamma_{A_2}$ AUG 2 4 1994

YT

Need for New Knowl. Media =

Distrib
Sharing
Re-using

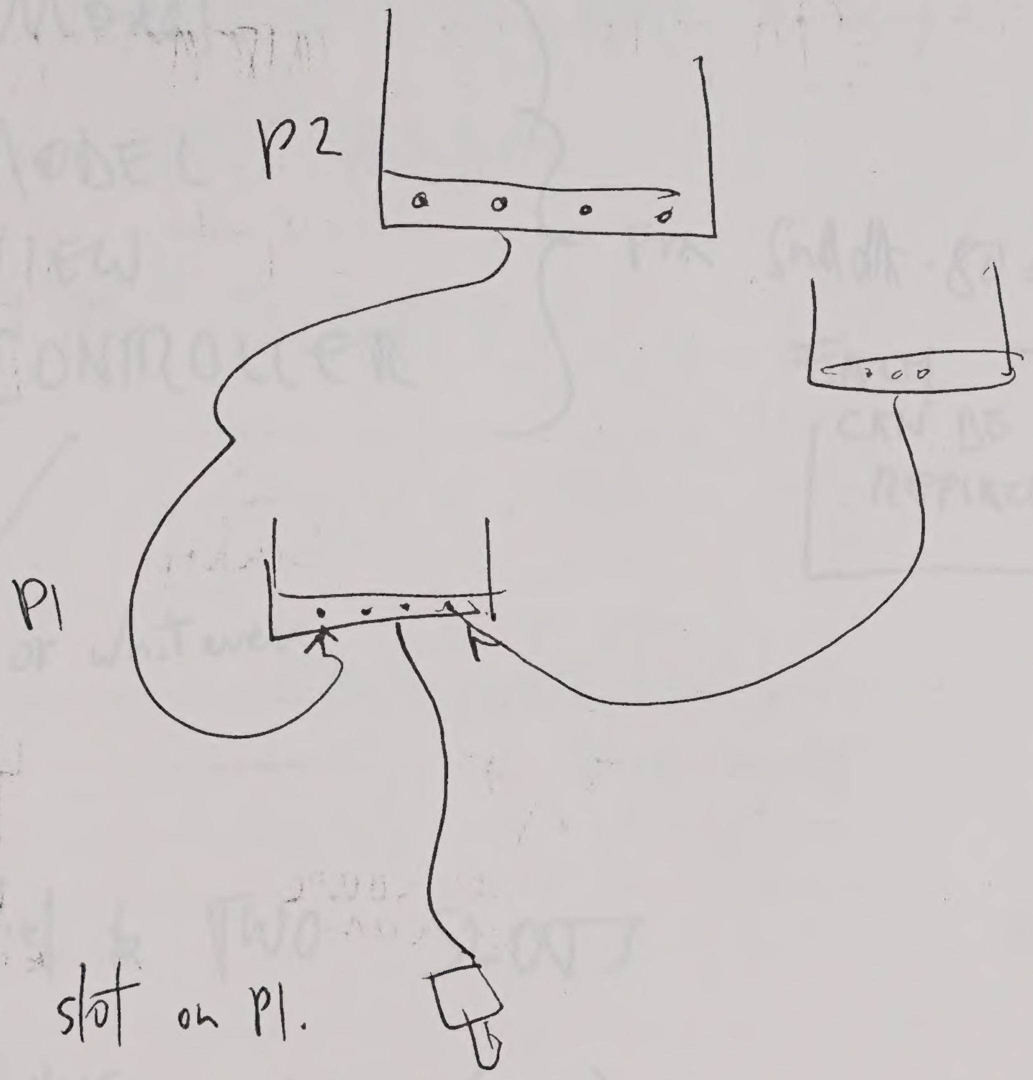
to include:

MM Docs
Rules
SW tools
SW App
Procedures
Design.

1P A3

AUG 2 4 1994

Each box has ONE PLUG but n slots.



P2 remembers slot on P1.

SEVERAL PADS CAN SHARE A SLOT ON A LOWER PAD.

18 A4

AUG 24 1994

MVC Model

MODEL

VIEW

CONTROLLER

Fm Smalltalk-80 =

EACH CAN BE REPLACED

hiddable method

Viewer

menu or whatever

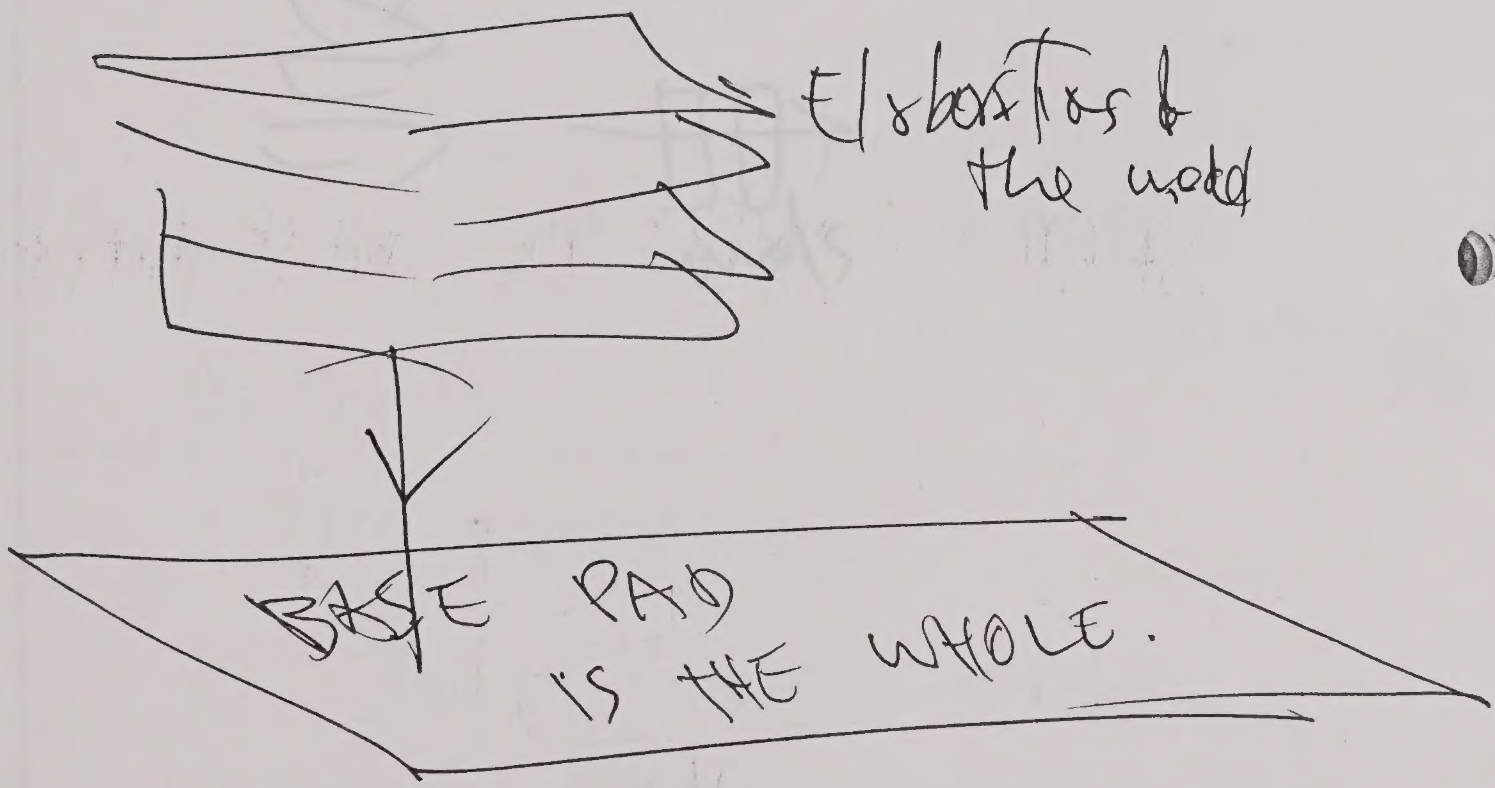
They're simplified to TWO SLOTS

MV & VC (??)

AUG 24 1994

A5

BASE PAD represents the state of the pad,
AND IS THE MODEL
WHICH IS SHARED.



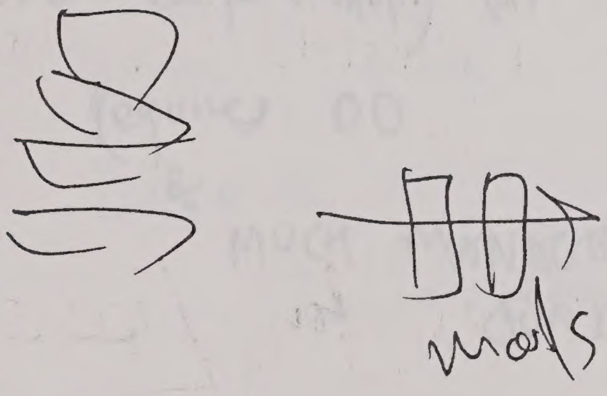
AUG 24 1994

1P A6

AUG 24 1994

V. This is a change of philosophy.

VI. IT'S ORTHOGONAL ___



AFT. MTG.

IP
A7

AUG 24 1994

YJ

~~Tschr~~
Tsichritzis paper, 1989.

Proposed extensibility for network applications.

Requires OO
&
MUCH MANAGEMENT OF
'JUNK, OBJECTS.'
(Arb & unstructured.)

OPEN PLATFORM
for
RAPIDLY-CHANGING ENVTS.

GENERIC COMPONENTS.

RETRIEVAL MECH for
possible reusability.

IP A8

AUG 24 1994

YT

PAD includes

Paper, Book, Poster, File

table, Desk, Tray

Window, Frame

Door, Hole, mirror

Cavity, ~~Carpet~~ Canopy, ~~Other~~ Cover, Hood, Wrapper

Field, Space, Area, Region, Context, Zone

Stage, Platform, Policy

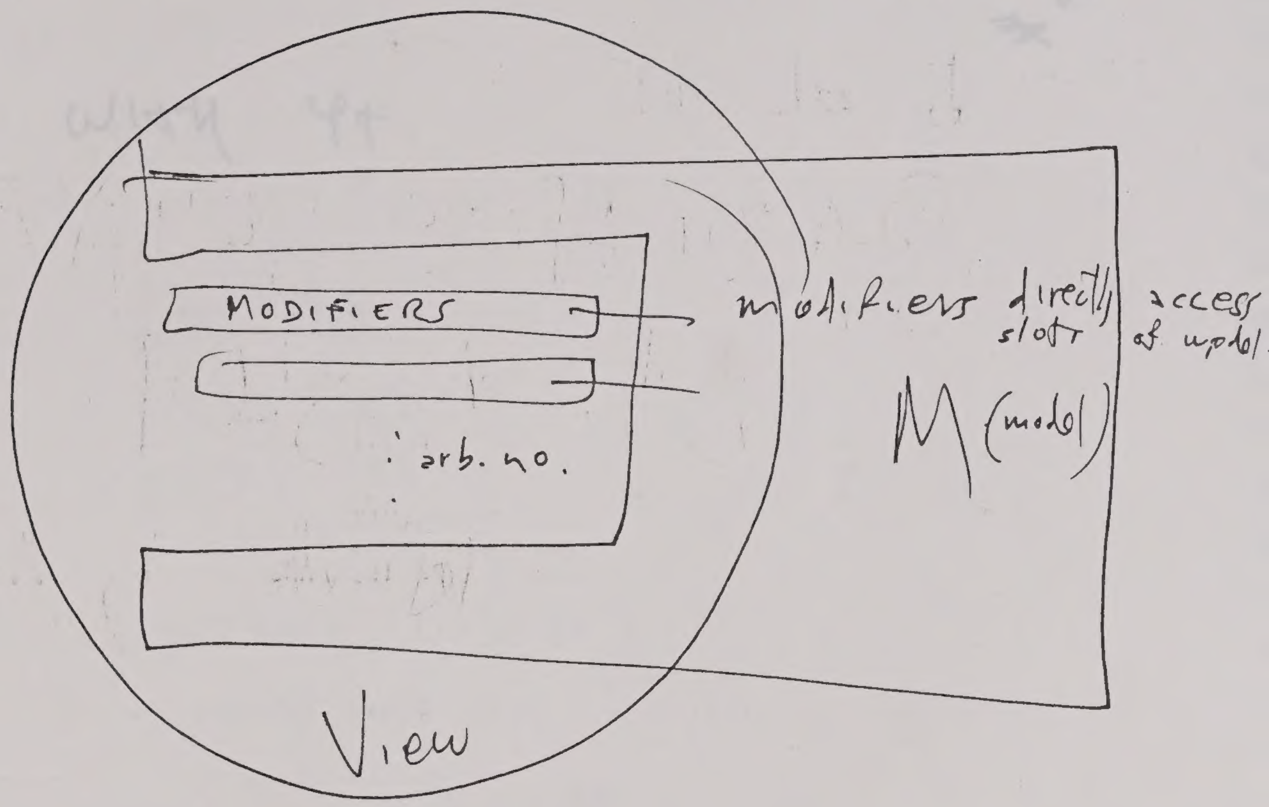
Envelope, Folder

Stamp, Tag

T: ARBITRARY STRUCTURE
with 2½D REP.

| P A_9

AUG 24 1994



Modifiers 'plug in like circuit boards'

CLIPPING
TRANSFORMATION
EVENT-DRIVEN?

CURRENT MODIFIERS
CAN ONLY ACCESS
RESERVED (global) SLOTS.

IP

A 10

AUG 25 1994

~~AUG 25 1994~~

D+

LUNCH WITH 4+.

WE'LL DISCUSS M'UNA
TOMW NIGHT.

IP

AUG 2 5 1994

A11

- ✓ BASE PAD
- ✓ FIELD PAD
- ✓ PROXY PAD

METAPAD
PSEUDO PAD
STORAGE PAD

} I don't get

AUG 2 5 1994

Envelope
Postage stamp

} pad {?

AUG 2 5 1994

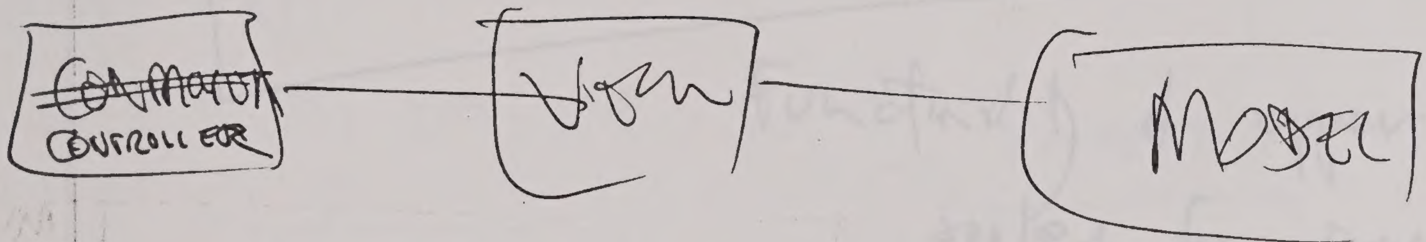
HP AUG 25 1994

A12 MTG 45

Videodre

"INTELLIGENT BOX."

for synthetic synth & 3D ~~[illegible]~~ composite boxes.



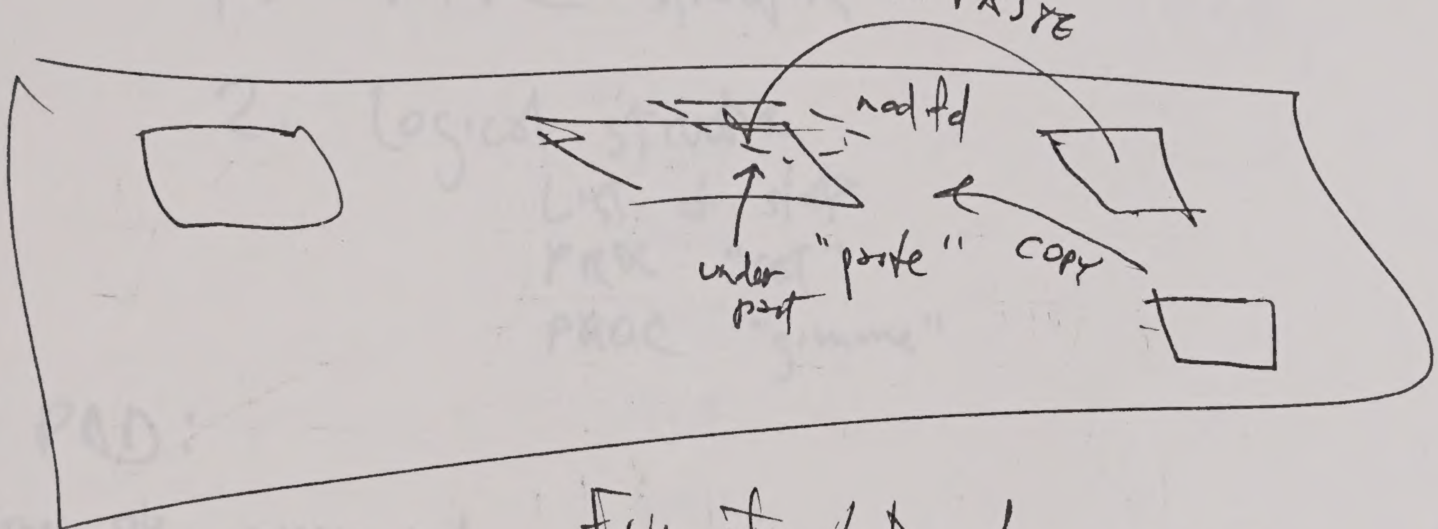
DATA SLOTS ONLY,
linking angles & motions.

IP A 13

AUG 2 5 1994

MTG
MJ

BASIC IDEA



Functionality of upper applies to lower.

IP A14 AUG 2 7 1994

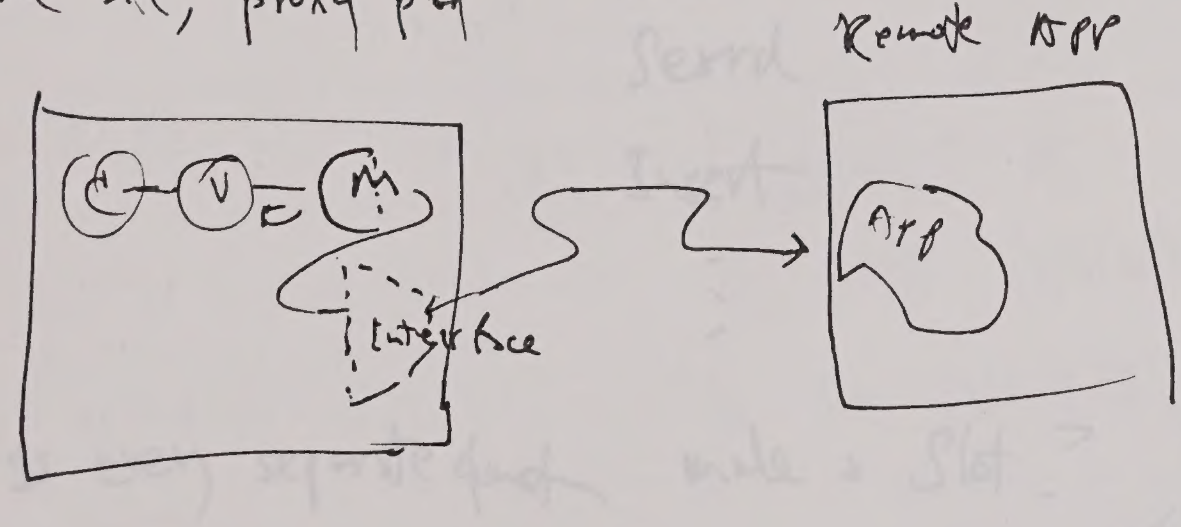
Yd.

A PAD:

1. MVC structure
2. logical structure
   List of slots
   PROC "set"
   PROC "gimme"

PROXY PAD:

Home site, proxy pad

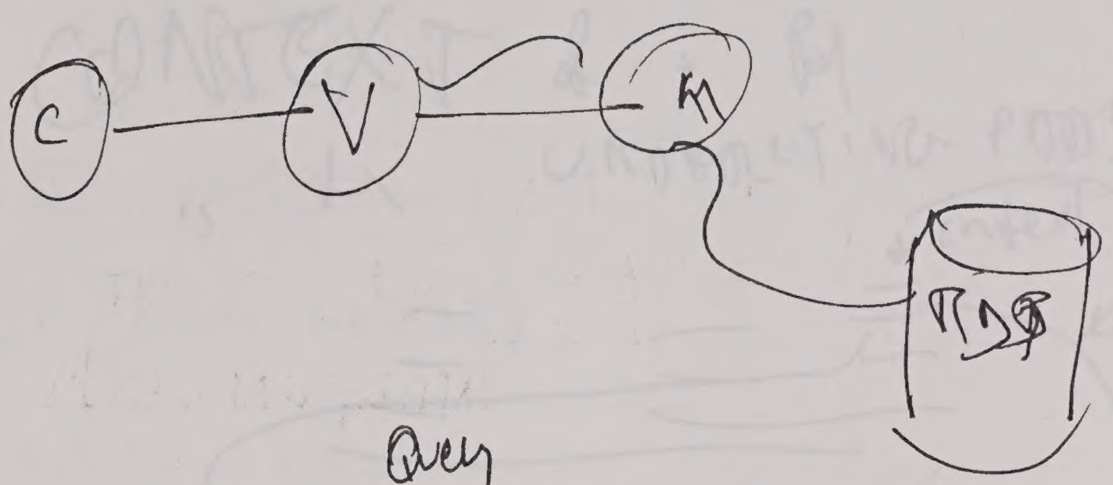


WE THEN DEFINE EACH FUNCTION IN TERMS OF ITS SLOTS, SET & GIMME.

IP A15 AUG 2 7 1994

Eg

SQL funcs.



Query
Record
Cursor
Next
Prev
Search
Insert
⋮

Q. Is every separate function made a Slot? ✓

And separate actions of slots
may be coordinated in sequence. ✓

Eg SEARCH slot goes ON;
the QUERY goes as
ASCII STRING.

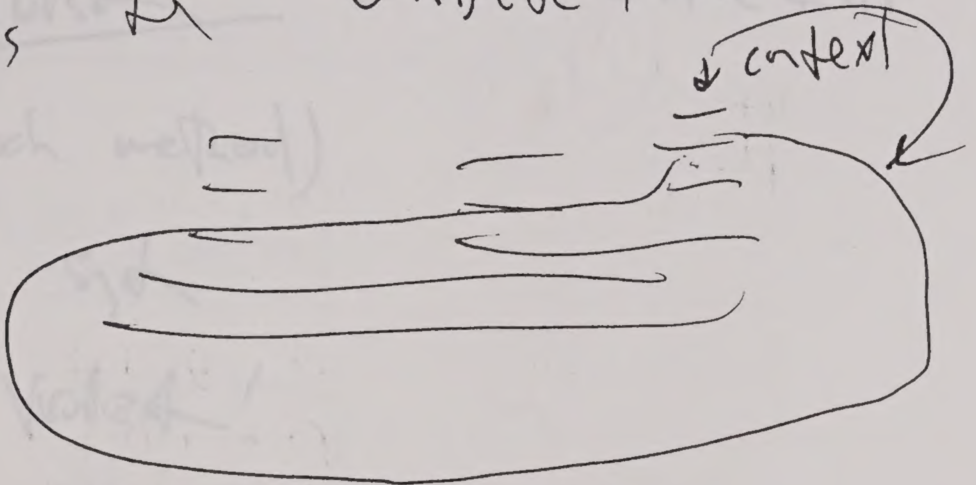
✓

IP AUG 27 1994

A16

4T - CONTEXT of a Pd

is the UNDERLYING PODS.



And he WANTS HIS

POD SERVER

to be CONTEXT-BASED.

AP A1 ~~AU~~ JUL 3 1 1994

MVG 94

IP.

Smalltalk 80 Version — SPARC & Mac & HP

CASE (Booch method)

FormFlow Syst

PROLOG Visualizat!

StagePt { SELECTING AND COORDNG
Extension of Hypertalk (??)

PartsBase. 'Context-based specification.' ≡ ↓ Act/states below

Smalltalk Agents Version [New, Concurrent] — Mac
QKS — [illegible]
Quasar Knowl. Systs., [illegible]

MULTIPLE THREADS
Parts are implemented CONCURRENTLY.

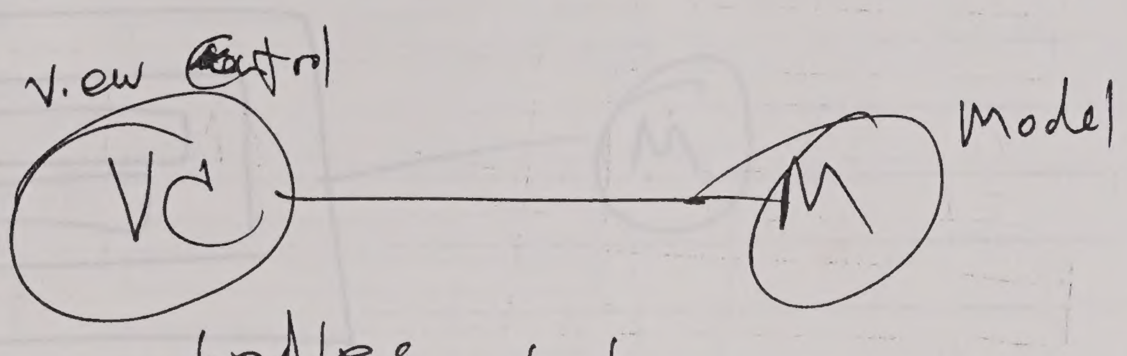
USES FULL TOOLBOX.

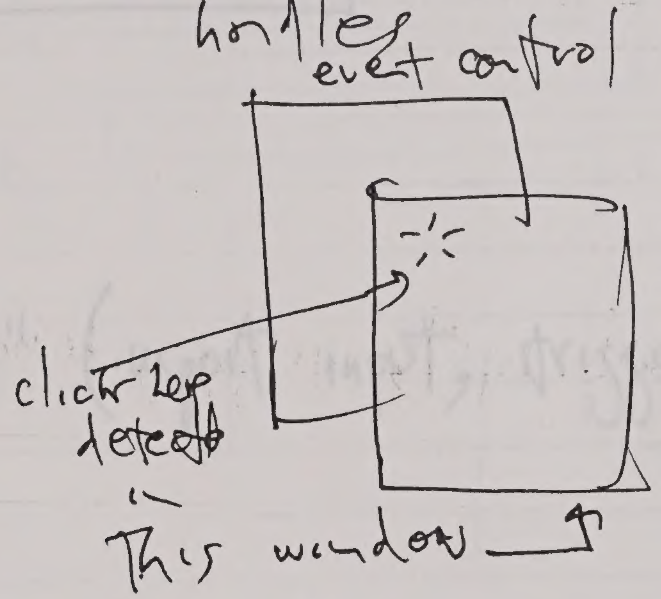
Makes Quicktime & Part.

~~PartsBase~~

|P A_2 JUL 3 1 1994

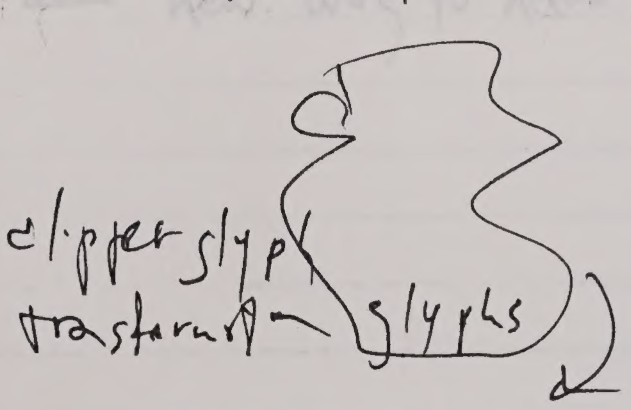
Smalltalk-80 Concepts





Mark Linton's
In 'Interviews', VARIOUS 'GLYPHS'
(window primitives)

ARE COMBINED TO MAKE
WINDOW FUNX-

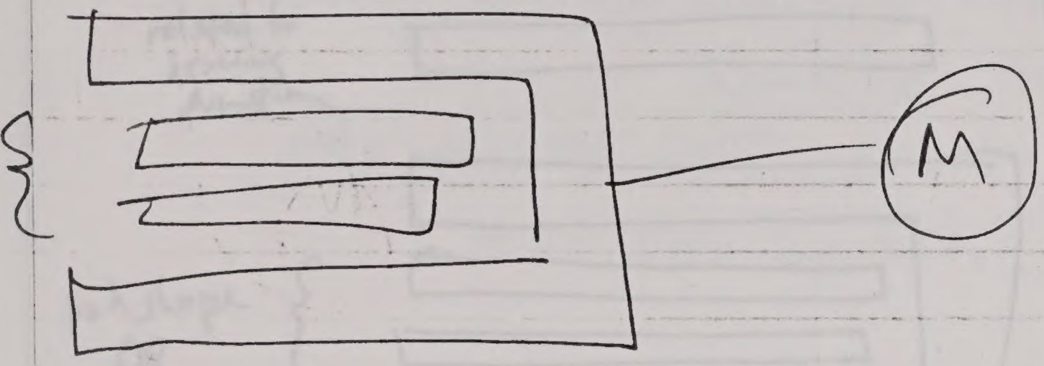


MODIFIERS
VC

IP
A3

JUL 31 1994

NTG



dip
transform

"event control" (import input, trigger, demon)

T. Do modifiers change the philosophy of IP?
P- No; IT'S ONLY MODIF. OF
PRIMITIVE PAD.

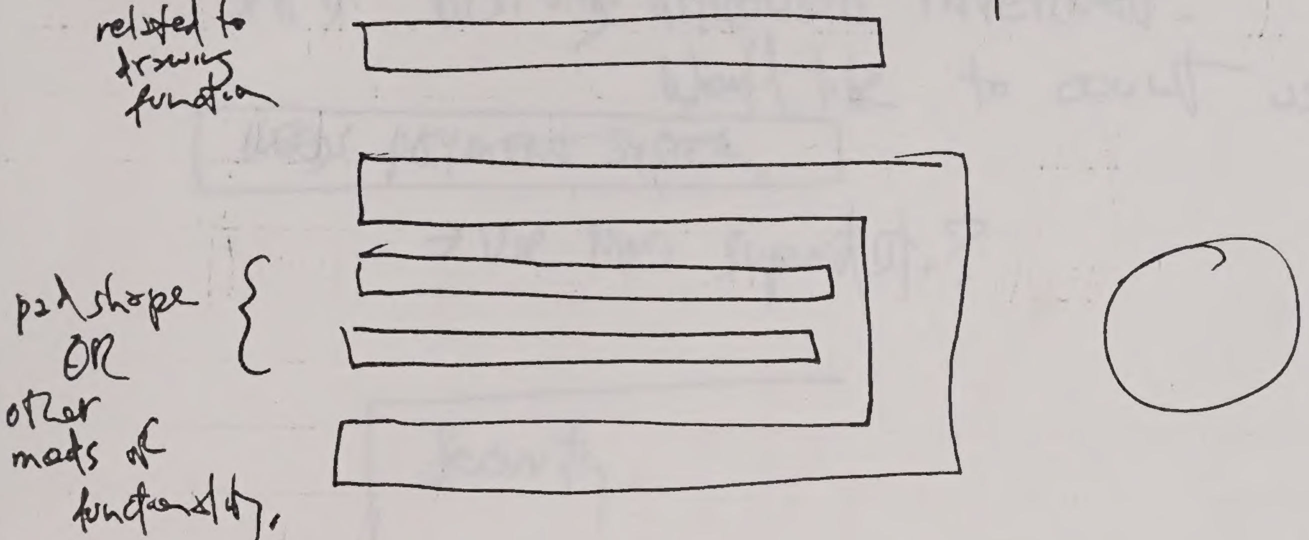
It's actually a new way to define primitive pads.

[-J2]

HP JUL 3 1 1994

A4 MTC

Modifications can be 'inserted above pads.'


related to drawing function
pad shape OR other mods of functionality.

IP A5 JUL 3 1 1994

MTG

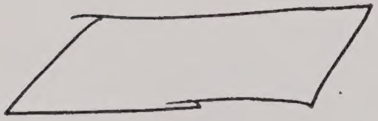
Project 1.

Pad DISTRIB. THROUGH INTERNET.
Would like to count usage.

NEEDS PAYMENT SYSTEM.

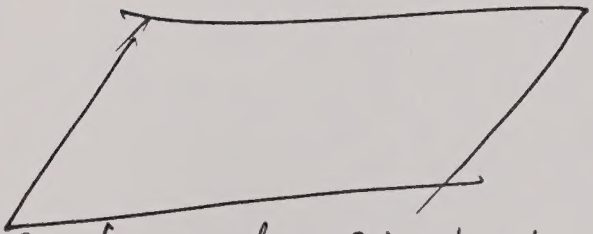
→ Use Mori superdist.?

Security.



Pad by A.

UNCOPIABLE. Modifier is a Blesser String.



PREPAID CARD
Sort of a Player Pad.

contents =
$100 for Pad owned by A
$200 for Pad by B
⋮

'WORKING'
for Soppers